SONY

LCD Digital Colour TV

Operating Instructions

KDL-46W5500/46WE5

KDL-40W5500/40WE5

KDL-32W5500

BRAVIA

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4-131-483-**11**(1)

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Introduction

Thank you for choosing this Sony product. Before operating the TV, please read this manual thoroughly and retain it for future reference.

Trademark information

DVB is a registered trademark of the DVB Project

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

DLNA and DLNA CERTIFIED are trademarks and/or service marks of Digital Living Network Alliance.

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

"BRAVIA" and BRAVIA are trademarks of Sony Corporation.

"XMB" and "xross media bar" are trademarks of Sony Corporation and Sony Computer Entertainment Inc.

Notes for Australia and New Zealand model

This product is ENERGY RATING qualified in the "Home" mode. ENERGY RATING is a program designed to promote energy efficient products and practices.

- When the TV is initially set up, it is designed to meet ENERGY RATING requirements while maintaining optimum picture quality.
- Changes to certain features, settings, and functionalities of this TV (e.g. TV Guide, Picture/Sound, Eco-Setting) can slightly change the power consumption.

Depending upon such changed settings (e.g. "Shop" mode), the power consumption may vary which possibly could exceed the stated energy rating.

To reset the TV to ENERGY RATING qualified settings, select "Home" mode from the initial set-up procedure in "Factory Settings" under the "Set-up" menu.

IMPORTANT INFORMATION

If a television is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television.
- Only using furniture that can safely support the television.
- Ensuring the television is not overhanging the edge of the supporting furniture.
- Not placing the television on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television to a suitable support.
- Not standing the televisions on cloth or other materials placed between the television and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television or its controls.

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Before operating the TV, please read “Safety Information” (page 8). Retain this manual for future reference.

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Start-up Guide

Before Use

To check the accessories

Mains lead/AC power cord (1) (KDL-46W5500/46WE5/40W5500/40WE5 only)

Cable holder (1) (KDL-46W5500/46WE5/40W5500/40WE5 only)

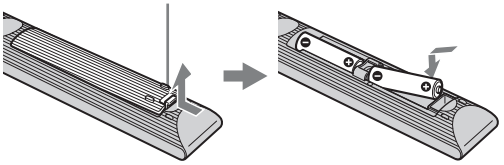
Stand (1) and screws (4)

RM-GD007 Remote (1)

Size AA batteries (R6 type) (2)

To insert batteries into the remote

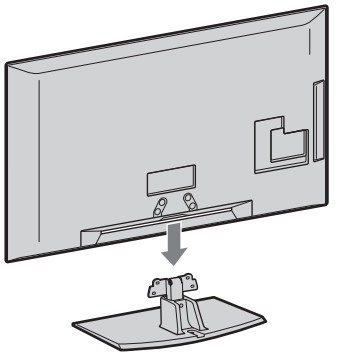
Push and lift the cover to open.



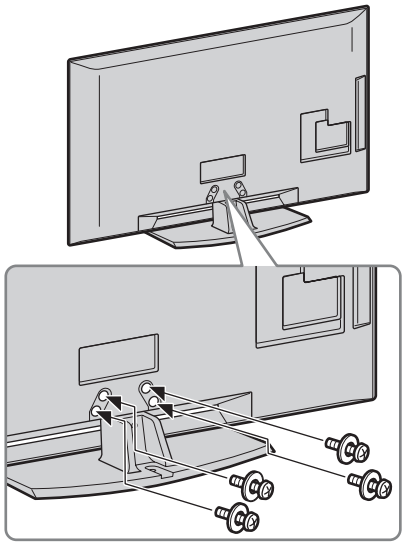
1:Attaching the stand

1 Open the carton box and take out the stand and the screws.

2 Place the TV set on the stand. Take care not to interfere with cables.



3 Fix the TV to the stand according to the arrow marks ⬆ that guide the screw holes using the supplied screws.



✍

• If using an electric screwdriver, set the tightening torque at approximately 1.5 N·m (15 kgf·cm).

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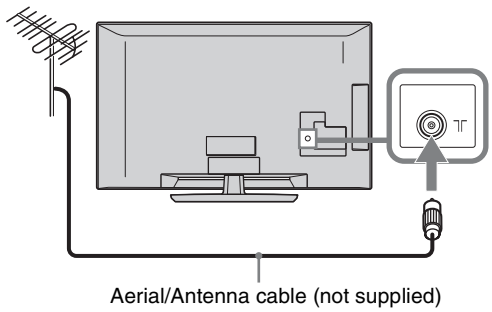
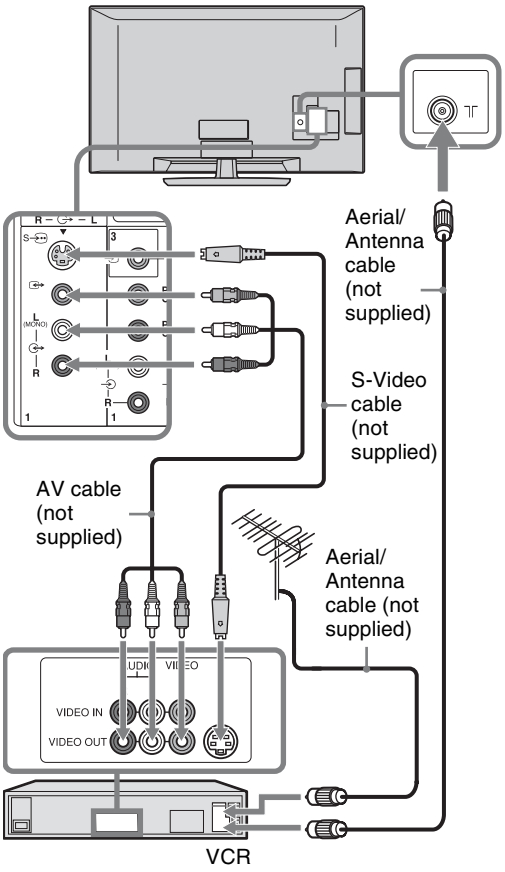
2: Connecting an aerial/ antenna/cable/VCR

Connecting an aerial/antenna/cable

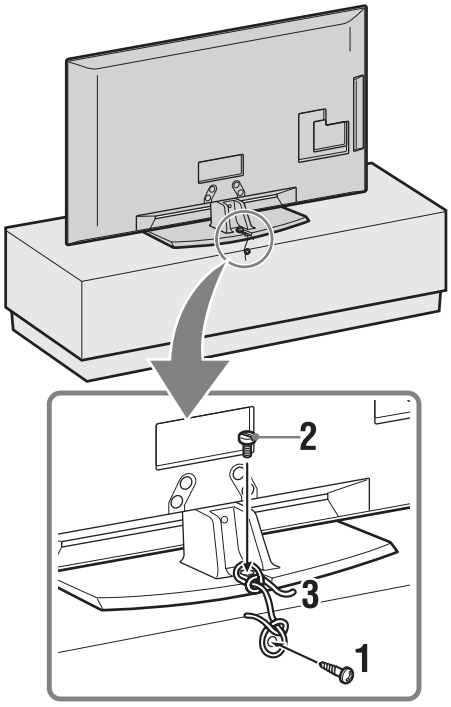


Connecting an aerial/antenna/cable and VCR



- When connecting an aerial/antenna cable (not supplied), an adaptor (not supplied) may be required (Australian model and New Zealand model only).

3: Preventing the TV from toppling over



1 Install a wood screw (4 mm in diameter, not supplied) in the TV stand.

2 Install a machine screw (M4 × 20, not supplied) into the screw hole of the TV.

3 Tie the wood screw and the machine screw with a strong cord (not supplied).

- An optional Sony support belt kit is used to secure the TV. Contact your nearest Sony service centre to purchase a kit. Have your TV model name ready for reference.

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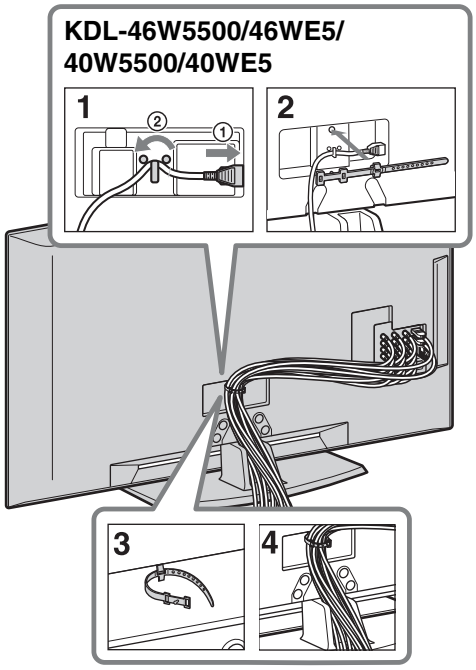
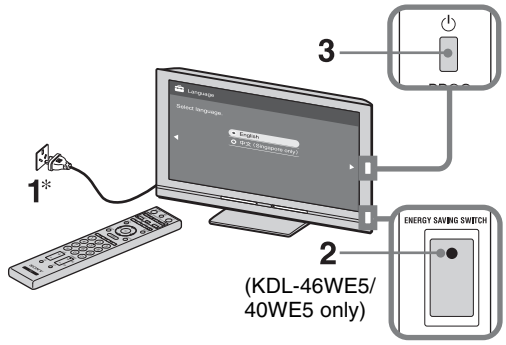
4: Bundling the cables



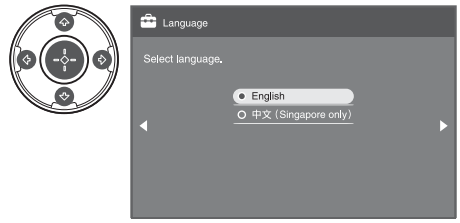
- Do not bundle the mains lead/AC power cord together with other cables.
- The illustration may differ from that of the actual rear panel, and the mains lead/AC power cord may already be connected, depending on the screen size.

5: Performing the initial set-up



* The shapes of the mains plug/AC power plug and mains sockets/AC power outlets differ depending on the region.

4



Follow the instructions on the screen.

System Update: Select “Yes” to enable the system update (page 41).

Programme Sorting: If you want to change the order of analogue channels, follow the steps in “Programme Sorting” (page 38).

Eco Preset: When you select “Yes,” the “Eco” settings are changed into recommended values to reduce power consumption.

- You can also tune channels manually (page 40).

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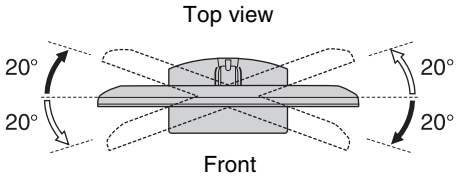
Adjusting the viewing angle of the TV

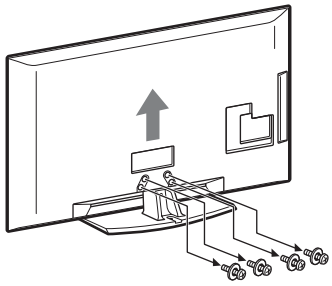
This TV can be adjusted within the angles shown below.

Adjust the angle left and right (swivel)



Detaching the Table-Top Stand from the TV

- Remove the screws guided by the arrow marks of the TV.
- Do not remove the Table-Top Stand for any reason other than listed below.
  – To wall-mount the TV.
  – To put the TV in the carton at time of purchase.



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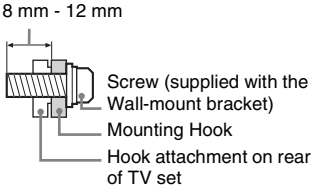
Safety Information

Installation/Set-up

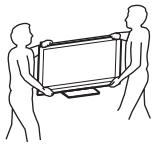
Install and use the TV set in accordance with the instructions below in order to avoid any risk of fire, electrical shock or damage and/or injuries.

Installation

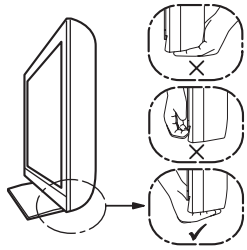
- The TV set should be installed near an easily accessible AC power outlet.
- Place the TV set on a stable, level surface to avoid it from falling down and cause personal injury or damage to the TV.
- Only qualified service personnel should carry out wall installations.
- For safety reasons, it is strongly recommended that you use Sony accessories, including:
  KDL-46W5500/40W5500/32W5500/46WE5/40WE5:
  - Wall-mount bracket SU-WL500/WL50B
- Be sure to use the screws supplied with the Wall-mount bracket when attaching the mounting hooks to the TV set. The supplied screws are designed so that they are 8 mm to 12 mm in length when measured from the attaching surface of the mounting hook.
  The diameter and length of the screws differ depending on the Wall-mount bracket model.
  Use of screws other than those supplied may result in internal damage to the TV set or cause it to fall, etc.



Transporting



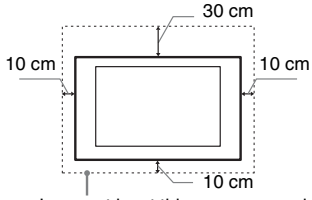
- Before transporting the TV set, disconnect all cables.
- Two or three people are needed to transport a large TV set.
- When transporting the TV set by hand, hold it as shown on the right. Do not put stress on the LCD panel and the frame around the screen.
- When lifting or moving the TV set, hold it firmly from the bottom.
- When transporting the TV set, do not subject it to jolts or excessive vibration.
- When transporting the TV set for repairs or when moving, pack it using the original carton and packing material.



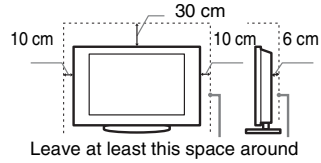
Ventilation

- Never cover the ventilation holes or insert anything in the cabinet.
- Leave space around the TV set as shown below.
- It is strongly recommended that you use a Sony wall-mount bracket in order to provide adequate air-circulation.

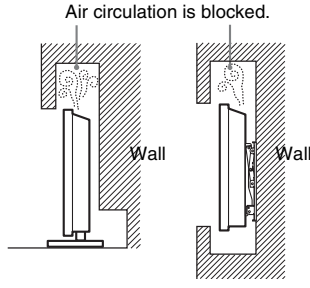
Installed on the wall



Installed with stand



- To ensure proper ventilation and prevent the collection of dirt or dust:
  - Do not lay the TV set flat, install upside down, backwards, or sideways.
  - Do not place the TV set on a shelf, rug, bed or in a closet.
  - Do not cover the TV set with a cloth, such as curtains, or items such as newspapers, etc.
  - Do not install the TV set as shown below.



AC power cord

Handle the AC power cord and outlet as follows in order to avoid any risk of fire, electrical shock or damage and/or injuries:

- Use only Sony supplied AC power cords, not those of other brands.
- Insert the plug fully into the AC power outlet.
- Operate the TV set on a 220–240 V AC supply only.
- When wiring cables, be sure to unplug the AC power cord for your safety and take care not to catch your feet on the cables.
- Disconnect the AC power cord from the AC power outlet before working on or moving the TV set.
- Keep the AC power cord away from heat sources.
- Unplug the AC power plug and clean it regularly. If the plug is covered with dust and it picks up moisture, its insulation may deteriorate, which could result in a fire.

Notes

- Do not use the supplied AC power cord on any other equipment.
- Do not pinch, bend, or twist the AC power cord excessively. The core conductors may be exposed or broken.
- Do not modify the AC power cord.
- Do not put anything heavy on the AC power cord.
- Do not pull on the AC power cord itself when disconnecting the AC power cord.
- Do not connect too many appliances to the same AC power outlet.
- Do not use a poor fitting AC power outlet.

Prohibited Usage

Do not install/use the TV set in locations, environments or situations such as those listed below, or the TV set may malfunction and cause a fire, electrical shock, damage and/or injuries.

Location:

Outdoors (in direct sunlight), at the seashore, on a ship or other vessel, inside a vehicle, in medical institutions, unstable locations, near water, rain, moisture or smoke.

Environment:

Places that are hot, humid, or excessively dusty; where insects may enter; where it might be exposed to mechanical vibration, near flammable objects (candles, etc). The TV set shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the TV.

Situation:

Do not use when your hands are wet, with the cabinet removed, or with attachments not recommended by the manufacturer. Disconnect the TV set from AC power outlet and antenna during lightning storms.

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Broken pieces:

- Do not throw anything at the TV set. The screen glass may break by the impact and cause serious injury.
- If the surface of the TV set cracks, do not touch it until you have unplugged the AC power cord. Otherwise electric shock may result.

When not in use

- If you will not be using the TV set for several days, the TV set should be disconnected from the AC power for environmental and safety reasons.
- As the TV set is not disconnected from the AC power when the TV set is just turned off, pull the plug from the AC power outlet to disconnect the TV set completely.
- However, some TV sets may have features that require the TV set to be left in standby to work correctly.

For children

- Do not allow children to climb on the TV set.
- Keep small accessories out of the reach of children, so that they are not mistakenly swallowed.

If the following problems occur...

Turn off the TV set and unplug the AC power cord immediately if any of the following problems occur.

Ask your dealer or Sony service centre to have it checked by qualified service personnel.

When:

– AC power cord is damaged.
– Poor fitting of AC power outlet.
– TV set is damaged by being dropped, hit or having something thrown at it.
– Any liquid or solid object falls through openings in the cabinet.

Precautions

Viewing the TV

- View the TV in moderate light, as viewing the TV in poor light or during long period of time, strains your eyes.
- When using headphones, adjust the volume so as to avoid excessive levels, as hearing damage may result.

LCD Screen

- Although the LCD screen is made with high-precision technology and 99.99% or more of the pixels are effective, black dots may appear or bright points of light (red, blue, or green) may appear constantly on the LCD screen. This is a structural property of the LCD screen and is not a malfunction.
- Do not push or scratch the front filter, or place objects on top of this TV set. The image may be uneven or the LCD screen may be damaged.
- If this TV set is used in a cold place, a smear may occur in the picture or the picture may become dark. This does not indicate a failure. These phenomena disappear as the temperature rises.
- Ghosting may occur when still pictures are displayed continuously. It may disappear after a few moments.
- The screen and cabinet get warm when this TV set is in use. This is not a malfunction.
- The LCD screen contains a small amount of liquid crystal. Mercury is sometimes contained depending on the kind of fluorescent tubes. Follow your local ordinances and regulations for disposal.

Handling and cleaning the screen surface/cabinet of the TV set

Be sure to unplug the AC power cord connected to the TV set from AC power outlet before cleaning.

To avoid material degradation or screen coating degradation, observe the following precautions.

- To remove dust from the screen surface/cabinet, wipe gently with a soft cloth. If dust is persistent, wipe with a soft cloth slightly moistened with a diluted mild detergent solution.
- Never use any type of abrasive pad, alkaline/acid cleaner, scouring powder, or volatile solvent, such as alcohol, benzene, thinner or insecticide. Using such materials or maintaining prolonged contact with rubber or vinyl materials may result in damage to the screen surface and cabinet material.
- Periodic vacuuming of the ventilation openings is recommended to ensure to proper ventilation.
- When adjusting the angle of the TV set, move it slowly so as to prevent the TV set from moving or slipping off from its table stand.

Optional Equipment

Keep optional components or any equipment emitting electromagnetic radiation away from the TV set. Otherwise picture distortion and/or noisy sound may occur.

Batteries

- Observe the correct polarity when inserting batteries.
- Do not use different types of batteries together or mix old and new batteries.
- Dispose of batteries in an environmentally friendly way. Certain regions may regulate the disposal of batteries. Please consult your local authority.
- Handle the remote with care. Do not drop or step on it, or spill liquid of any kind onto it.
- Do not place the remote in a location near a heat source, a place subject to direct sunlight, or a damp room.

Disposal of the TV set (Australian model and New Zealand model only)

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol is on the remote control.

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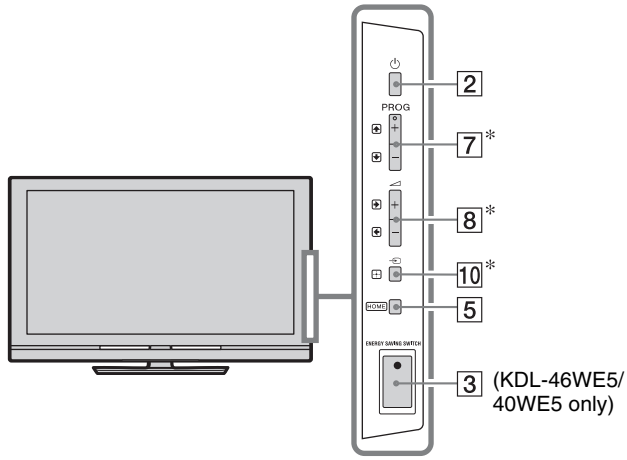
Remote and TV Controls/Indicators

Remote and TV controls



Buttons on the TV will work the same as those on the remote.

* In the TV menu, these buttons will work as ⇧/⇩/⇦/⇨/⊕.

- The number **5**, ►, **PROG +** and **AUDIO** buttons on the remote have a tactile dot. Use the tactile dots as a reference when operating the TV.

Button/Switch	Description
1 **I/⏻ (TV standby)**	Press to turn the TV on and off from standby mode.
2 **⏻ (Power)**	Press to turn the TV on or off. • When **ENERGY SAVING SWITCH** is off, the TV cannot be turned on (KDL-46WE5/ 40WE5 only). • To disconnect the TV, turn off the TV, then unplug the mains lead/AC power cord from the mains/AC power.
3 **ENERGY SAVING SWITCH (for KDL-46WE5/ 40WE5 only)**	Press to turn the TV on or off. When **ENERGY SAVING SWITCH** is switched off, power consumption is reduced. If the TV is in standby mode when **ENERGY SAVING SWITCH** is switched off, switching **ENERGY SAVING SWITCH** on puts the TV back into standby mode only. • When **ENERGY SAVING SWITCH** is switched off, you will not be able to perform such functions as saving clock settings, downloading EPGs, or updating software.

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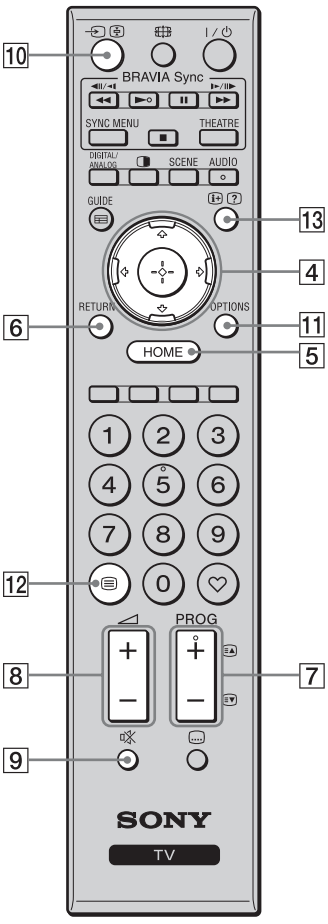

4	⇧/⇩/⇦/⇨/⊕	Press ⇧/⇩/⇦/⇨ to move the on-screen cursor. Press ⊕ to select/confirm the highlighted item. When playing a photo file: Press ⇧/⇦ to select the previous file. Press ⇩/⇨ to select the next file. When playing a music/video file: Press ⊕ to pause/start the playback. Press and hold ⇦/⇨ to fast forward/fast reverse, then release the button at the point where you want to resume playback. Press ⇧ to start playback from the beginning of the current file. Press ⇩ to go to the next file.
5	**HOME**	Press to display the TV Home Menu (page 30).
6	**RETURN**	Press to return to the previous screen of the displayed menu. When playing a photo/music/video file: Press to stop the playback. (The display returns to the file or folder list.)
7	**PROG +/–/**	**In TV mode:** Press to select the next (+) or previous (–) channel. **In Text mode:** Press to select the next () or previous () page.
8	**+/– (Volume)**	Press to adjust the volume.
9	**(Mute)**	Press to mute the sound. Press again to restore the sound. • In standby mode, if you want to turn on the TV without sound, press this button.
10	**(Input select/Text hold)**	**In TV mode:** Press to display a list of inputs. **In Text mode:** Press to hold the current page.
11	**OPTIONS**	Press to display a list that contains "Device Control" or shortcuts to some setting menus. Use the "Device Control" menu to operate equipment that is compatible with control for HDMI. The listed options vary depending on the input source.
12	**(Text)**	Press to display text information (page 16).
13	**(Info/ Text reveal)**	Each time you press the button, the display changes as follows: **In digital mode:** Details of the current programme → Details of the next programme **In analogue mode:** Current channel number and Wide Mode → Clock information **In Text mode (page 16):** Reveals hidden information (e.g. answers to a quiz).

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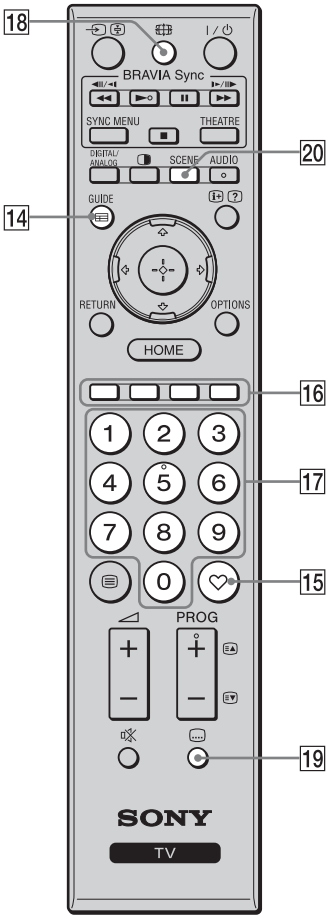

14	**GUIDE / (EPG)**	Press to display the Digital Electronic Programme Guide (EPG) (page 17). For New Zealand model, EPG is available as an interactive service if provided by a broadcaster.
15	♡ **(Favourite)**	Press to display the Favourite List that you have specified (page 18).
16	**Coloured buttons**	When the coloured buttons are available, an operation guide appears on the screen.
17	**Number buttons**	**In TV mode:** Press to select channels. For channel numbers 10 and above, press the next digit quickly. **In Text mode:** Press to enter a page number.
18	**(Wide Mode)**	Press to change the Wide Mode (page 16).
19	**(Subtitle setting)**	Press to change the subtitle language (page 40) (in digital mode only).
20	**SCENE**	Press to display the "Scene Select" menu. When you select the desired scene option, the optimum sound quality and picture quality for the selected scene are automatically set. Press ⇧/⇩/⇦/⇨ to select the scene option, then press ⊕. **Cinema:** Delivers picture scenes just like those in a theatre-like atmosphere with dynamic sound. **Photo:** Delivers picture scenes that authentically reproduce the texture and colour of a printed photo. **Sports:** Delivers picture scenes that let you experience realistic picture and sound like those in a stadium. **Music:** Delivers sound effects that let you experience dynamic and clear sound like that at a concert. **Game:** Delivers picture scenes that let you enjoy your game-playing experience to the fullest with superb picture and sound quality. **Graphics:** Delivers picture scenes that ease your prolonged monitor viewing experience and reduce fatigue by displaying clearer detailed pictures. **General:** Use this setting when you do not optimise the sound quality and picture quality for any scene. **Auto:** The optimum sound quality and picture quality are automatically set according to the input source, though there may not be any effect depending on the connected devices. ✍ • When you set Theatre Mode (page 13) to on, the "Scene Select" setting switches to "Cinema" automatically.

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21	**AUDIO**	**In analogue mode:** Press to change the dual sound mode (page 35). **In digital mode:** Press to change the language to be used for the programme currently being viewed (page 40).
22	**BRAVIA Sync**	**◀◀/▶/❚❚/▶▶/■:** You can operate the BRAVIA Sync-compatible equipment that is connected to the TV. **SYNC MENU:** Displays the menu of connected HDMI equipment. While viewing other input screens or TV programmes, "HDMI Device Selection" is displayed when the button is pressed. **THEATRE:** You can set Theatre Mode to on or off. When Theatre Mode is set to on, the optimum sound quality (if the TV is connected with an audio system using an HDMI cable) and picture quality for film-based contents are automatically set. ✍ • If you turn the TV off, Theatre Mode is also turned off. • When you change the "Scene Select" setting, Theatre Mode turns off automatically. • "Control for HDMI" (BRAVIA Sync) is only available with the connected Sony equipment that has the BRAVIA Sync or BRAVIA Theatre Sync logo or is compatible with control for HDMI.
23	**DIGITAL/ ANALOG**	Switches between digital and analogue modes.
24	◑ **— Twin Picture/PIP**	Displays two pictures simultaneously (page 23).

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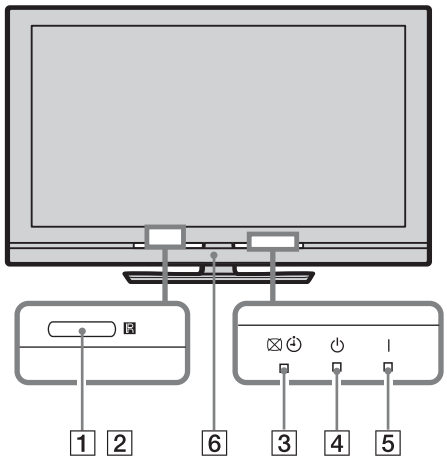
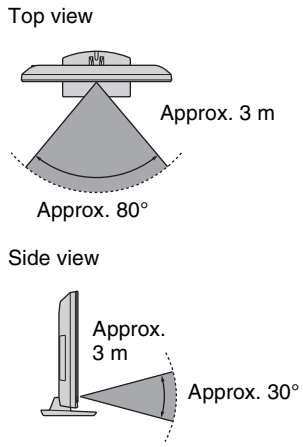
(Continued)

Indicators

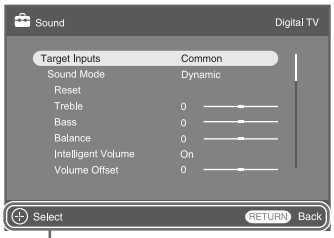


Presence sensor detection area



Indicator	Description
1 **Light sensor (page 32)**	Do not put anything over the sensor, doing so may affect its function.
2 **Remote control sensor**	Receives signals from the remote. Do not put anything over the sensor. The sensor may not work properly.
3 ⊠ ⏲ **(Picture Off / Timer)**	Lights up in green when you select “Picture Off” (page 31). Lights up in orange when you set the timer (page 17, 31).
4 ⏻ **(Standby)**	Lights up in red when the TV is in standby mode.
5 **I (Power)**	Lights up in green when the TV is on.
6 **Presence sensor (for KDL-46WE5/ 40WE5 only) (page 32)**	Do not put anything over the sensor, doing so may affect its function. Depending on the use environment, the detection area may slightly decrease.

About the operation guide on the TV screen



Operation Guide

Example: Press ⊕ or **RETURN** (see 4 on page 11 or 6 on page 11).

The operation guide provides help on how to operate the TV using the remote, and is displayed at the bottom of the screen. Use the remote buttons shown on the operation guide.

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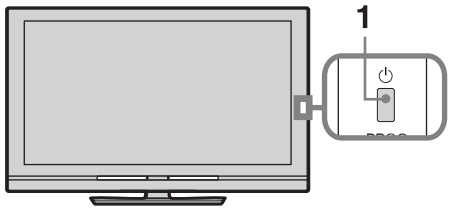
Watching TV



1 Press ⏻ on the TV to turn on the TV.

When the TV cannot be turned on, switch **ENERGY SAVING SWITCH** on, then press ⏻ on the TV (page 10) (KDL-46WE5/40WE5 only).
When the TV is in standby mode (the ⏻ (standby) indicator on the TV front panel is red), press **I**/⏻ on the remote to turn on the TV.

2 Press **DIGITAL/ANALOG** to switch between digital and analogue modes.

The available channels vary depending on the mode.

3 Press the number buttons or **PROG +/–** to select a TV channel.

To select a digital programme using the Digital Electronic Programme Guide (EPG), see page 17 (Australian model and Singaporean model only).
In digital mode, an information banner appears briefly. Each time you press i+, the banner changes cyclically as follows:
Current programme information → Next programme information → No banner
The following icons may be indicated on the banner.

- : Interactive service is available (Digital Text) (New Zealand model only)
- : Radio service
- : Scrambled/Subscription service
- : Subtitles available
- : Subtitles available for the hearing impaired
- : Multiple audio languages available
- : Reminder (Australian model and Singaporean model only)
- : Recommended minimum age for current programme (ages from 4 to 18) (Singaporean model only)
- : Parental Lock
- : Parental rating (Australian model and New Zealand model only)

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(Continued)

To access Text

Press ⊜. Each time you press ⊜, the display changes cyclically as follows:
Text and TV picture → Text → No Text (exit the Text service)
To select a page, press the number buttons or ⊜▲/⊜▼.
To hold a page, press ⊜.
To reveal hidden information, press ?.

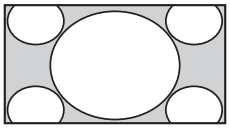
- Text language displays can be either English, Persian or French depending on your broadcast signal (Singaporean model only).

- You can also jump directly to a page by selecting the page number displayed on the screen. Press ⊕ and ↑/↓/←/→ to select the page number, then press ⊕.
- When four coloured items appear at the bottom of the Text page, you can access pages quickly and easily (Fastext). Press the corresponding coloured button to access the page.
- Interactive service may be available if provided by a broadcaster (New Zealand model only).

To change the Wide Mode manually

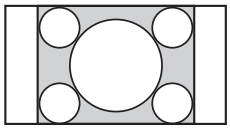
Press ⊞ repeatedly to select the desired Wide Mode.

Wide Zoom*



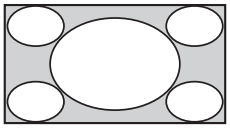
Enlarges the centre portion of the picture. The left and right edges of the picture are stretched to fill the 16:9 screen.

Normal



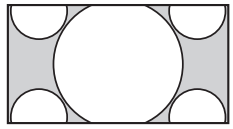
Displays the 4:3 picture in its original size. Side bars are shown to fill the 16:9 screen.

Full



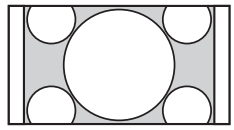
Stretches the 4:3 picture horizontally, to fill the 16:9 screen.

Zoom*



Displays the cinemascopic (letter box format) picture in the correct proportion.

14:9*



Displays the 14:9 picture in the correct proportion. As a result, side bars are shown on the screen.

* Parts of the top and bottom of the picture may be cut off. You can adjust the vertical position of the picture. Press ↑/↓ to move the picture up or down (e.g. to read subtitles).

- When you select “Wide Zoom,” some characters and/or letters at the top and the bottom of the picture may not be visible. In such a case, adjust “Vertical Size” in the “Screen” menu (page 35).

- When “Auto Wide” (page 35) is set to “On,” the TV will automatically select the best mode to suit the input from an external equipment.
- If 720p, 1080i or 1080p source pictures are displayed with black borders on the screen edges, select “Wide Zoom” or “Zoom” to adjust the pictures.

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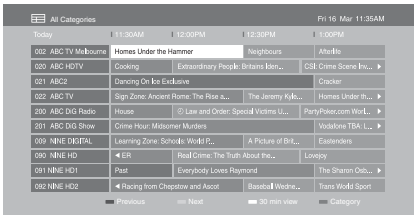
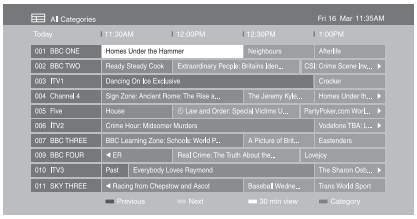
Using the Digital Electronic Programme Guide (EPG) (Australian model and Singaporean model only)



(Australian model)



(Singaporean model)

Digital Electronic Programme Guide (EPG)

1 In digital mode, press **GUIDE**.

2 Perform the desired operation as shown in the following table or displayed on the screen.

To	*Do this*
View a programme	Press ⇧/⇩/⇦/⇨ to select a programme, then press ⊕.
Turn off the EPG	Press **GUIDE**.
Sort programme information by category – Category list	**1** Press the blue button. **2** Press ⇧/⇩ to select a category, then press ⊕.
Set a programme to be displayed automatically on the screen when it starts – Reminder	**1** Press ⇧/⇩/⇦/⇨ to select a future programme you want to display, then press ⊞. **2** Press ⇧/⇩ to select “Reminder,” then press ⊕. A ◷ symbol appears next to the programme’s information. The ⊠ ◷ indicator on the TV front panel lights up in orange. ✎ • If you switch the TV to standby mode, the TV will automatically turn on when the programme starts.
Cancel a reminder – Timer list	**1** Press ⊞. **2** Press ⇧/⇩ to select “Timer list,” then press ⊕. **3** Press ⇧/⇩ to select the programme you want to cancel, then press ⊞. **4** Press ⊕ to select “Cancel Timer.” A display appears to confirm that you want to cancel the programme. **5** Press ⇦/⇨ to select “Yes,” then press ⊕.

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Using the Favourite List

Analogue Favourites

Analogue Favourite List

The Favourite feature lets you select programmes from a list of up to 16 favourite channels that you specify.

1 In analogue mode, press ♡.

2 Perform the desired operation as shown in the following table or displayed on the screen.

To	Do this
Watch a channel	Press ⊕.
Turn off the Favourite list	Press ♡.
Add a current channel to the Favourite list	Press ⇧/⇩ to select "Add to Favourites," then press ⊕.
Remove a channel from the Favourite list	1 Press ⇧/⇩ to select "Edit Favourites," then press ⊕. The "Favourite Set-up" screen appears. 2 Press ⇧/⇩ to select the channel number, then press ⊕. 3 Press ⇧/⇩ to select "– – –," then press ⊕.

Digital Favourites

(Australian model)

(New Zealand model and Singaporean model)

Digital Favourite List

You can specify up to four of your favourite channel lists.

1 In digital mode, press ♡.

2 Perform the desired operation as shown in the following table or displayed on the screen.

To	Do this
Turn off the Favourite list	Press **RETURN**.

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To	*Do this*
Add or remove channels in a Favourite list	**1** Press the blue button. Go to step 2 when you add channels for the first time or the Favourite list is empty. **2** Press the yellow button to select the Favourite list to edit. **3** Press ⇧/⇩/⇦/⇨ to select the channel to add or remove, then press ⊕.
Watch a channel	**1** Press the yellow button to select a Favourite list. **2** Press ⇧/⇩ to select a channel, then press ⊕.
Remove all channels from a Favourite list	**1** Press the blue button. **2** Press the yellow button to select the Favourite list to edit. **3** Press the blue button. **4** Press ⇦/⇨ to select "Yes," then press ⊕.

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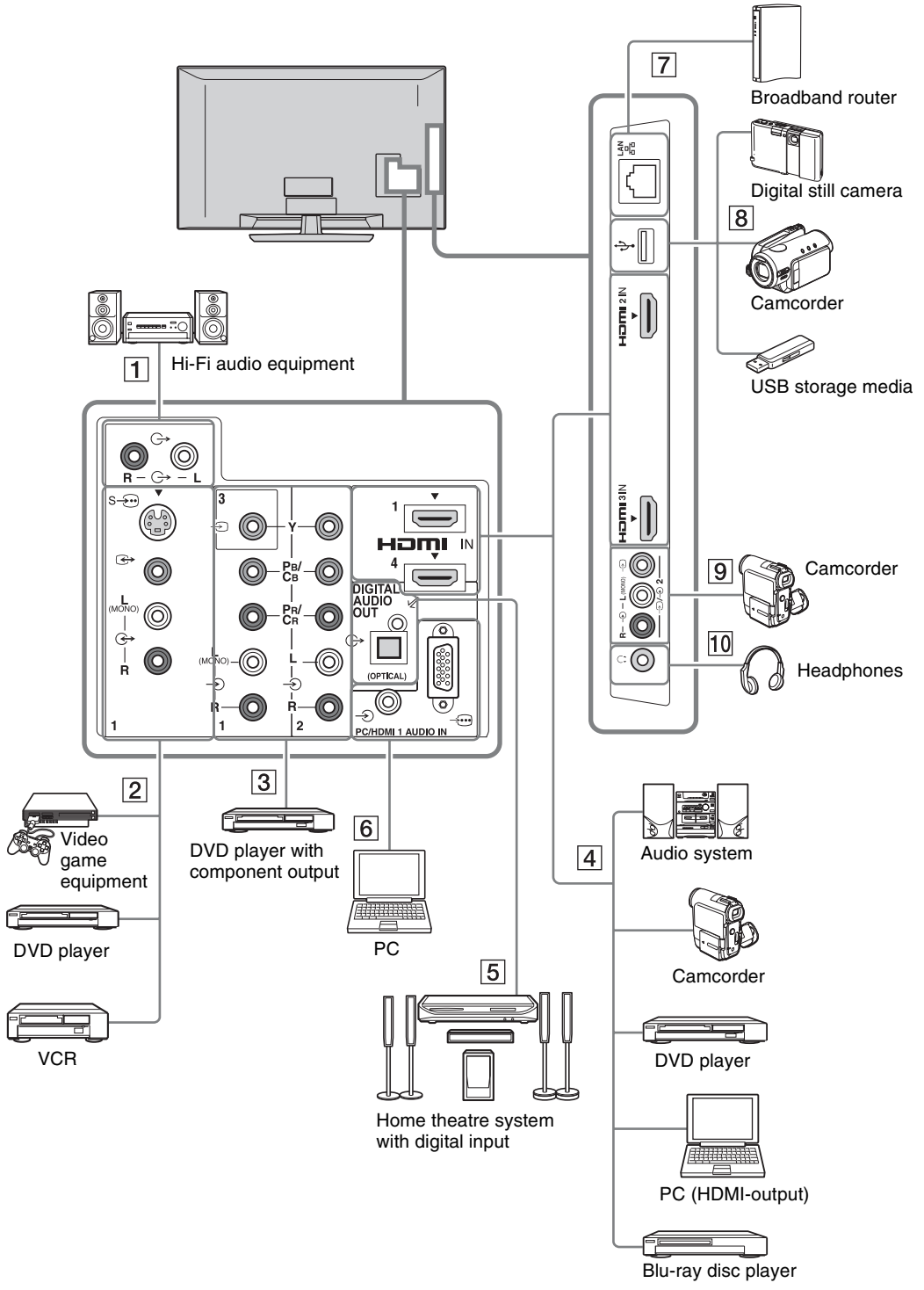
Connecting Optional Equipment

You can connect a wide range of optional equipment to your TV.



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Connecting audio-video equipment (quality order, high to low)

Connect to	Connect with	Description
4 **HDMI IN 1, 2, 3, or 4**	**HDMI cable**	Digital video and audio signals are input from the connected equipment. In addition, when you connect the equipment that is compatible with control for HDMI, communication with the connected equipment is supported. See page 37 to set up this communication. If the equipment has a DVI socket/jack, connect the DVI socket/jack to the HDMI IN 1 socket/jack through a DVI - HDMI adaptor interface (not supplied), and connect the equipment's audio out socket/jack to the PC/HDMI 1 AUDIO IN socket/jack in the PC IN sockets/jacks. (The PC/HDMI 1 AUDIO IN socket/jack is used as the audio in socket/jack for both the PC IN and HDMI IN 1 sockets/jacks.) ✍ • Be sure to use only an authorised HDMI cable bearing the HDMI logo. We recommend that you use a Sony HDMI cable (high speed type). • When connecting an audio system that is compatible with control for HDMI, be sure to also connect it to the DIGITAL AUDIO OUT (OPTICAL) socket/jack.
3 **1 or 2**	**Component video cable, audio cable**	When using the component video jack 1 as the video jack 3, select "Video 3" in the "Video 3/Component 1 Input" menu (page 37). ✍ • You cannot use the component video jack 1 and the video jack 3 at the same time.
2 9 S 1, 1 **or 2, and 1 or 2**	**S-video cable or composite video cable, audio cable**	To avoid picture noise, do not connect the camcorder to the video jack 1 and the S video jack S 1 at the same time. If you connect a mono equipment, connect to the L (MONO) jack 1 or 2. When using the video jack 1 and audio jack 1 as output jacks, select "Output" in the "Video 1 Input/Output" menu (page 37).

Connecting audio/portable equipment

Connect to	Connect with	Description
5 **DIGITAL AUDIO OUT (OPTICAL)**	**Optical audio cable**	You can listen to TV sound on the connected Home theatre system with digital input.
1	**Audio cable**	You can listen to TV sound on the connected Hi-Fi audio equipment.
8 **USB**	**USB cable**	You can enjoy photo/music/video files stored in a Sony digital still camera or camcorder (page 24).

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(Continued)

Connecting other equipment

Connect to	Connect with	Description
6 **/PC IN**	**PC cable with ferrites, audio cable**	It is indispensable to use a PC cable with ferrite cores.
7 **LAN**	**LAN cable**	You can enjoy the TV's network features (page 27).
10 **Headphones**		You can listen to TV sound through headphones.

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Viewing Pictures from Connected Equipment

Turn on the connected equipment, then perform the following operation.

1 Press ⊡.

2 Press ⇧/⇩ to select the desired input source, then press ⊕.

To view two pictures simultaneously – Twin Picture/PIP (Picture in Picture)

You can view two pictures (external or PC input and TV programme) on the screen simultaneously.
Each time you press ◑, the viewing mode changes cyclically from “Twin Picture,” to “PIP,” to single picture mode.

- “PC Power Management” (page 32) is not available in PIP mode.

- You can select the TV channel with the number buttons or **PROG +/–**.

For Twin Picture mode

1 Press ◑. (except HDMI (PC) or PC input)

The picture from the connected equipment is displayed on the left and the TV programme is displayed on the right.
The picture framed in gray is audible.

2 Press ⊕ or ◑ repeatedly to return to single picture mode.

For PIP mode

1 Press ◑ again.

The mode changes from “Twin Picture” to “PIP.”
The picture from the connected PC or equipment is displayed in full size and the TV programme is displayed in the bottom right corner.
The sub screen picture is framed in gray when the main screen is audible.
You can use ⇧/⇩ to move the sub screen position.

2 Press ⊕ or ◑ repeatedly to return to single picture mode.

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Playing back Photo/Music/Video via USB

You can enjoy photo/music/video files stored in a Sony digital still camera or camcorder through a USB cable or USB storage device on your TV.

1. Connect a supported USB device to the TV.
2. Press **HOME**.
3. Press ⇦/⇨ to select “Photo,” “Music,” or “Video.”
4. Press ⇧/⇩ to select a USB device, then press ⊕.

   The file or folder list appears.
   To display a thumbnail list, press the yellow button while the list is displayed.
5. Press ⇧/⇩ to select a file or folder, then press ⊕.

   When you select a folder, select a file, then press ⊕.
   Playback starts.

Photo Playback Auto Start

The TV automatically starts photo playback when the TV is turned on and a digital still camera or other device storing photo files is connected to the USB port then turned on (page 37).

- While the TV is accessing the data on the USB device, observe the following:
  – Do not turn off the TV or connected USB device.
  – Do not disconnect the USB cable.
  – Do not remove the USB device.
  The data on the USB device may be damaged.
- Sony will not be held liable for any damage to, or loss of, data on the recording media due to a malfunction of any connected devices or the TV.
- Playback does not start automatically if the TV is turned on after connecting the digital still camera or other device to the USB port.
- USB playback is supported for the following photo file formats:
  – JPEG (JPEG format files with the extension “.jpg” and conforming to DCF 2.0 or Exif 2.21)
  – RAW (ARW/ARW 2.0 format files with the extension “.arw.” For preview only.)
- USB playback is supported for the following music file format:
  – MP3 (files with the extension “.mp3” that have not been copyrighted)
- USB playback is supported for the following video file format:
  – MPEG1 (files with the extension “.mpg”)
- Photo Playback Auto Start works only for photo files in the newest digital still camera folder (DCF-compliant, highest-numbered “DCIM” folder).
- Playback may not start automatically when some digital still cameras (such as cameras with internal memory) are connected.
- The file name and folder name support only English.
- When you connect a Sony digital still camera, set the camera’s USB connection mode to Auto or “Mass Storage.” For more information about USB connection mode, refer to the instructions supplied with your digital camera.
- Check the website below for updated information about compatible USB devices.
  http://www.sony-asia.com/bravia/flash.html
- Use a USB storage device that is compliant with USB Mass Storage Class standards.

- You can register the background music to be played during a slideshow using (Photo). While playing back music, press **OPTIONS**, then select “Add to Slideshow,” or while displaying a photograph, press **OPTIONS**, then select “Music Selection.”

To display a photograph — Picture Frame

You can display a photograph on the screen for a selected period of time. After that period, the TV automatically switches itself into standby mode.

1. Select a photograph (page 24).
2. Press **OPTIONS** while the selected photograph is displayed, then press ⇧/⇩ to select “File Options” and press ⊕.
3. Press ⇧/⇩ to select “Picture Frame Image” and press ⊕.
4. Press **RETURN** repeatedly to return to the Home Menu.
5. Press ⇦/⇨ to select “Photo,” then select “Picture Frame” and press ⊕.

   The TV is switched to Picture Frame mode, and the selected photograph is displayed on the screen.

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To set the duration of displaying a photograph

Press **OPTIONS**, then select “Duration” and press ⊕. Then, select the duration, and press ⊕.

The counter appears on the screen.

To return to the XMB™

Press **RETURN**.

- If the photograph is selected from a USB device, it must remain connected to the TV.
- If “Sleep Timer” is activated, the TV automatically will switch into standby mode.

To display a photograph with the location on the map

When using a digital still camera with GPS function, it is possible to display a photograph with a map of the location where the photograph was taken using a function of GPS for recording longitude and latitude. Because map information is downloaded from the Internet online map service, the network connection must be required and the TV has to be connected to the network (page 27).

1. Select a photograph (page 24).
2. Press the green/red buttons to zoom in/out on the map.

   To change the display position of the map on the TV screen, press the blue button repeatedly.

- Because the Internet online map service is provided by a third party, service may be changed or terminated without prior notification to the user.
- The position indicated on the map may differ depending on the digital still camera.
- Only a large-scale map that cannot be zoomed in or out is displayed if the TV is not connected to the Internet or the Internet online map service is terminated.

- A map can be displayed in the case of photograph’s Exif data includes a date information, and the associated longitude and latitude information (“Log files”) has been recorded using a Sony GPS unit. Follow the procedure described below.

1. Connect the GPS unit to the USB port.
2. Press **HOME**.
3. Press ⇦/⇨ to select “Photo.”
4. Press ⇧/⇩ to select the GPS unit, then press ⊕.
5. Select the following items using ⇧/⇩, then set them using ⇧/⇩.
   - Time Zone
   - DST
6. Select “Yes,” then press ⊕.

   The GPS log files are loaded.
7. Disconnect the GPS unit and connect the device on which the photograph is stored.
8. Select a photograph (page 24).
9. Press the green/red buttons to zoom in/out on the map.

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Using BRAVIA Sync with Control for HDMI

The control for HDMI function enables the TV to communicate with the connected equipment that is compatible with the function, using HDMI CEC (Consumer Electronics Control). For example, by connecting Sony equipment that is compatible with control for HDMI (with HDMI cables), you can control them together.
Be sure to connect the equipment correctly, and make the necessary settings.

Control for HDMI

- Automatically turns the connected equipment off when you switch the TV to standby mode using the remote.
- Automatically turns the TV on and switches the input to the connected equipment when the equipment starts to play.
- If you turn on a connected audio system while the TV is on, the sound output switches from the TV speaker to the audio system.
- Adjusts the volume (**+/–**) and mutes the sound (🔇) of a connected audio system.
- You can operate the connected Sony equipment that has the BRAVIA Sync logo by the TV remote by pressing:
  - **►/■/II/◄◄/►►** to operate the connected equipment directly.
  - **SYNC MENU** to display the menu of the connected HDMI equipment on the screen.
    After displaying the menu, you can operate the menu screen by using ↑/↓/←/→, ⊕, colour buttons, and **RETURN**.
  - **OPTIONS** to display "Device Control," then select options from "Options" and "Content List" to operate the equipment.
  - Refer to the instruction manual of the equipment for available control.
- If "Control for HDMI" of the TV is set to "On," "Control for HDMI" of the connected equipment is also automatically switched to "On."

To connect the equipment that is compatible with control for HDMI

Connect the compatible equipment and the TV with an HDMI cable. When connecting an audio system, be sure to also connect the DIGITAL AUDIO OUT (OPTICAL) jack of the TV and the audio system using an optical audio cable. For details, see page 20.

To make the control for HDMI settings

The control for HDMI settings must be set on both the TV side and connected equipment side. See "HDMI Set-up" (page 37) for the TV side settings. For settings on the connected equipment, refer to the operating instructions for that equipment.

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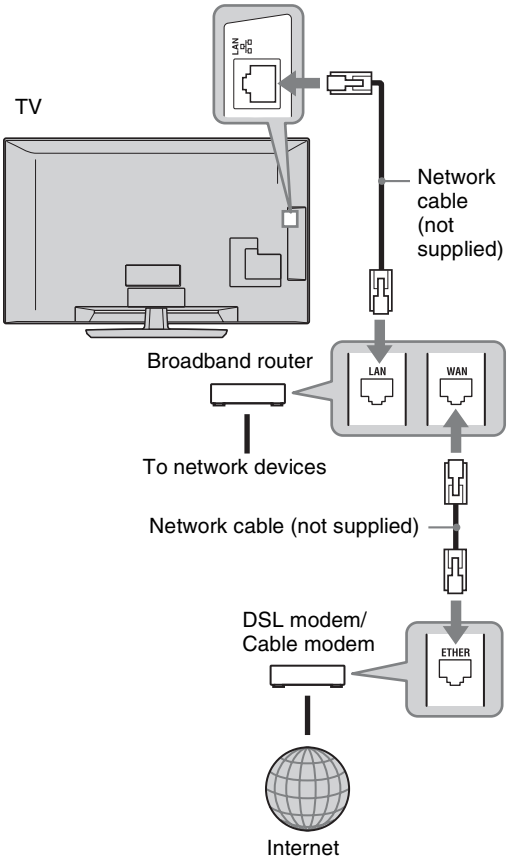
Using Home Network Features

With this TV, you can enjoy contents stored in DLNA-compatible devices on the home network.
Devices that store and provide contents, such as photo/music/video files, are called “server.” The TV receives the photo/music/video files from the server via the network, and you can enjoy them on the TV even in other rooms.
To enjoy the home network, a DLNA-compatible device (VAIO, Cyber-shot, etc.) is necessary as a server.
In addition, when you connect your TV to the Internet, you can enjoy displaying a photograph that shows its location on the map (page 25).

- You will need to contract with an Internet service provider to connect to the Internet.

Connecting to the Network



Enjoying Photo/Music/ Video Files via the Network

You can enjoy photo/music/video files on the server easily by selecting an icon on the Home Menu of the TV.

1. Press **HOME**.
2. Press ⇦/⇨ to select “Photo,” “Music,” or “Video.”
3. Press ⇧/⇩ to select a server, then press ⊕.

   The file or folder list appears.
   To display the thumbnail list, press the yellow button while the list is displayed.

   When the server cannot be found

   See “Checking the Network Connection” (page 28) and “Adjusting the Server Display Settings” (page 29).
4. Press ⇧/⇩ to select a file or folder, then press ⊕.

   When you select a folder, select a file, then press ⊕.
   Playback starts.

- A map can be displayed with a photograph in the case of longitude and latitude information has been recorded to photograph’s Exif data (page 25).

- Depending on the network device, it may be necessary to register the TV with the network device.
- Picture quality may appear coarse when using (Photo) because images may be enlarged depending on the file. Also, images may not fill the entire screen depending on the image size and aspect ratio.
- Some photo files may take some time to be displayed when using (Photo).
- To play files that are received from a network device, they need to conform to one of the following file formats:
  – Still images: JPEG format
  – Music: MP3 format or linear PCM format
  – Video: The following file formats stored on the sever: AVCHD,HDV, MPEG2-PS (which in some cases may not be able to be played)

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(Continued)

Depending on the network device, the file format may be converted before transfer. In such cases, the file format resulting after conversion is used for playback. For details, refer to the instruction manual for the network device being used.
Even files conforming to one of the file formats given above cannot be played in some cases.
• The file name and folder name support only English.

To enjoy photographs, music and videos on the TV screen by operating devices – Renderer

Renderer is a feature for playing photo, music and video files stored in network devices (digital still cameras, mobile phones, etc.) on the TV by operating the controller device in question. To use this feature, a renderer-compatible device such as a digital still camera or mobile phone is required as the controller. Refer as well to the instruction manual supplied with the controller.

1 Set “Renderer Function,” “Renderer Access Control” and “Renderer Set-up” in “Network Settings” if necessary (page 42).

2 Play the file selected using the controller on the TV.

The file is played on the TV over the connected network.
Use the controller or the TV’s remote to perform operations during playback.

• You can register the background music to be played during a slideshow using (Photo). While playing back music, press **OPTIONS**, then select “Add to Slideshow,” or while displaying a photograph, press **OPTIONS**, then select “Music Selection.”

Checking the Network Connection

Enter the respective (alphanumeric) values for your router. The items that need to be set may differ, depending on the Internet service provider or the router. For details, refer to the instruction manuals that have been provided by your Internet service provider or supplied with the router.

1 Press **HOME**.

2 Press ⇦ to select “Settings.”

3 Press ⇧/⇩ to select “Network Settings,” then press ⊕.

4 Select “Network,” then press ⊕.

5 Select “IP Address Settings,” then press ⊕.

6 Select an item, and press ⊕.

When you select “DHCP (DNS automatic)”
Go to step 7.

When you select “DHCP (DNS manual)”
Set “Primary DNS”/“Secondary DNS” using ⇧/⇩/⇨ and the number buttons.

When you select “Manual”
Set the following items using ⇧/⇩/⇨ and the number buttons.
• IP Address
• Subnet Mask
• Default Gateway
• Primary DNS/Secondary DNS

If your ISP has a specific proxy server setting
Press **OPTIONS**, then press ⇧/⇩ to select “Proxy Set-up” and press ⊕. Then enter the settings.

7 Press ⊕.

8 Press ⇨ to select “Test,” then press ⊕.

9 Press ⇦/⇨ to select “Yes,” then press ⊕.

The network diagnostic starts.
When the message “Connection successful.” appears, press **RETURN** repeatedly to exit.

• If “Connection successful.” does not appear, see “Troubleshooting” (page 49).

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Adjusting the Server Display Settings

You can select home network servers to be displayed on the Home Menu.
Up to 10 servers can be displayed on the Home Menu automatically.

1. Set the server to allow connections from the TV.

   For details on settings on the server, refer to the Operating Instructions supplied with the server.
2. Press **HOME**.
3. Press ⇦/⇨ to select “Settings.”
4. Press ⇧/⇩ to select “Network Settings,” then press ⊕.
5. Select “Server Display Settings,” then press ⊕.
6. Select the server you want to display on the Home Menu, then press ⊕.
7. Select “Yes,” then press ⊕.

If you cannot connect to your home network

The TV can check if the server is being correctly recognised.

1. Press **HOME**.
2. Press ⇦/⇨ to select “Settings.”
3. Press ⇧/⇩ to select “Network Settings,” then press ⊕.
4. Select “Server Diagnostics,” then press ⊕.
5. Select “Yes,” then press ⊕.

   The server diagnostic starts.
   When the server diagnostic is complete, the diagnostic result list appears.
6. Select the server you want to confirm, then press ⊕.

   The diagnostic results of the selected server appear.

- If the diagnostic results indicate a failure, look up the possible causes and what to do, and check connections and settings.
  For details, see “Troubleshooting” (page 49).

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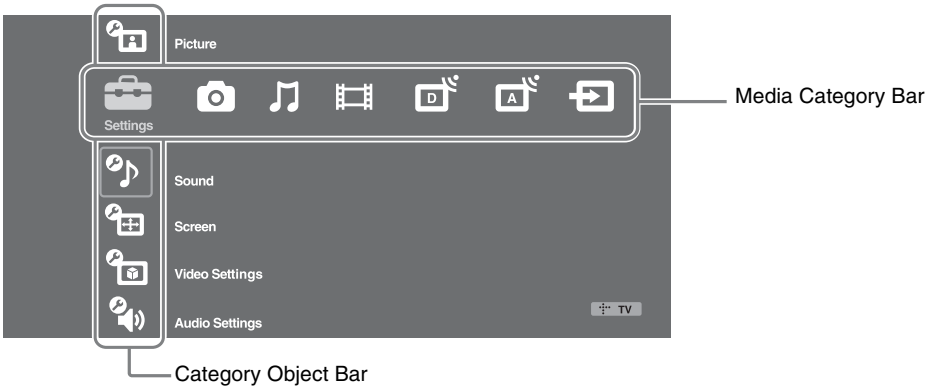
Using Menu Functions

Navigating through TV Home Menu on XMB™

The XMB™ (XrossMediaBar) is a menu of BRAVIA features and input sources displayed on the TV screen. The XMB™ is an easy way to select programmes and adjust settings on your BRAVIA TV.

1 Press **HOME** to display the XMB™.



2 Press ⇦/⇨ to select the category.

Media category icon		Description
	Settings	You can make advanced settings and adjustments. For details about settings, see page 31.
	Photo	You can enjoy photo files via USB devices or the network (page 24, 27).
	Music	You can enjoy music files via USB devices or the network (page 24, 27).
	Video	You can enjoy video files via USB devices or the network (page 24, 27).
	Digital	You can select a digital channel, Digital Favourite List (page 18), or Digital Electronic Programme Guide (EPG) (page 17).
	Analogue	You can select an analogue channel or Analogue Favourite List (page 18). To hide the list of analogue channels, set “Programme List Display” to “Off” (page 38).
	External Inputs	You can select equipment connected to the TV. To assign a label to an external input, see “Video Labels” (page 37).

3 Press ⇧/⇩ to select the item, then press ⊕.

4 Follow the instructions on the screen.

5 Press **HOME** to exit.

✍

• The options you can adjust vary depending on the situation.
• Unavailable options are greyed out or not displayed.

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TV Settings Menu

System Update

Used to update the TV's system software in the future.

Instruction Manual

Displays the instruction manual on the screen.

• The instruction manual is displayed in English only.

BRAVIA Tips

Introduces how to enjoy the TV.

Clock/Timers

Sleep Timer	Sets the TV to automatically switch to standby mode after a certain amount of time. When "Sleep Timer" is activated, the (Timer) indicator on the TV front panel lights up in orange. • When you turn off the TV and turn it on again, "Sleep Timer" is reset to "Off."
On Timer	Sets the TV to automatically turn on from standby mode.
Auto Clock Update	Switches to digital mode and obtains the time.
Clock Set	Allows you to adjust the clock manually. • When the TV is receiving digital channels, you cannot adjust the clock manually, because the clock automatically receives the time code from the broadcast signal.

Eco

Reset	Resets all the "Eco" settings to the factory settings.
Power Saving	Reduces power consumption of the TV by adjusting the backlight. When you select "Picture Off," the picture is switched off, and the (Picture Off) indicator on the TV front panel lights up in green. The sound remains unchanged.

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(Continued)

Presence Sensor (for KDL-46WE5/40WE5 only)	When no presence is detected in front of TV, the TV switches to picture off mode automatically. Additionally, when no presence is detected after 30 minutes in picture off mode, the TV switches to standby mode. ✍ • Even if a person is in front of the TV, the sensor may work if the person does not move. The sensor may not work when the temperature changes due to the air conditioning, etc.
Idle TV Standby	Turns the TV off after it has been kept idle for the preset length of time.
PC Power Management	Switches the TV to standby mode when the TV receives no signal from the PC input source for 30 seconds.
Light Sensor	Automatically optimises the picture settings according to the ambient light in the room. ✍ • Do not put anything over the sensor, doing so may affect its function. See page 14 to check the position of the sensor.

Picture

Target Inputs	Allows you to select whether to use the common settings or to make custom settings for the input you are currently viewing.	
	Common	Applies common settings to all inputs in which “Target Inputs” is set to “Common.”
	Name of current input (e.g. Video 1)	Allows you to make custom settings for the input.
Picture Mode	Sets a picture mode. The options that can be selected differ depending on the “Scene Select” settings.	
	Vivid	Enhances picture contrast and sharpness.
	Standard	For standard pictures. Recommended for home entertainment.
	Custom	Allows you to store your preferred settings.
	Cinema	For viewing film-based content. Most suitable when viewing the TV in a theatre-like environment.
	Photo-Vivid	For viewing photographs. Enhances picture contrast and sharpness.
	Photo-Standard	For viewing photographs. Provides the optimum picture quality for viewing in the home.
	Photo-Original	For viewing photographs. Represents the picture quality used when imaging developed photographs.
	Photo-Custom	For viewing photographs. Allows you to store your preferred settings.
	Sports	Provides the optimum picture quality for viewing sports.
	Game	Most suitable for when playing games on your TV.
	Graphics	Provides the optimum picture quality for viewing graphics.
Reset	Resets all the “Picture” settings to the factory settings excluding “Target Inputs,” “Picture Mode” and “Advanced Settings.”	
Backlight	Adjusts the brightness of the backlight.	
Picture	Increases or decreases picture contrast.	

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Brightness	Brightens or darkens the picture.	
Colour	Increases or decreases colour intensity.	
Hue	Increases or decreases the green tones and red tones.	
	✍ • “Hue” can be adjusted only for the NTSC colour signal/system (e.g. U.S.A. video tapes).	
Colour Temperature	Adjusts the whiteness of the picture.	
	Cool	Gives white colours a blue tint.
	Neutral	Gives white colours a neutral tint.
	Warm 1/Warm 2	Gives white colours a red tint. “Warm 2” gives a redder tint than “Warm 1.”
	💡 • “Warm 1” and “Warm 2” are not available when “Picture Mode” is set to “Vivid” (or “Photo-Vivid”).	
Sharpness	Sharpens or softens the picture.	
Noise Reduction	Reduces the noise level of pictures (snowy pictures).	
MPEG Noise Reduction	Reduces picture noise in MPEG-compressed videos. This is effective when viewing a DVD or digital broadcast.	
Motionflow	Provides smoother picture movement and reduces picture blur.	
	High	Provides smoother picture movement such as for film-based contents.
	Standard	Provides smooth picture movement. Use this setting for standard use.
	Off	Use this setting when the “High” or “Standard” settings result in noise.
	✍ • Depending on the video, you may not see the effect visually, even if you have changed the setting.	
Cinema Drive	Provides improved picture movement when playing DVD or VCR images taken on film, reducing picture blur and graininess.	
	Auto 1	Provides smoother picture movement than the original film-based content. Use this setting for standard use.
	Auto 2	Provides the original film-based content as is.
	✍ • If the image contains irregular signals or too much noise, “Cinema Drive” is automatically turned off even if “Auto 1” or “Auto 2” is selected.	
Advanced Settings	Allows you to set “Picture” settings in more detail. These settings are not available when “Picture Mode” is set to “Vivid” (or “Photo-Vivid”).	
	Reset	Resets all the advanced settings to the factory settings.
	Black Corrector	Enhances black areas of the picture for stronger contrast.
	Adv. Contrast Enhancer	Automatically adjusts “Backlight” and “Picture” to the most suitable settings judging from the brightness of the screen. This setting is especially effective for dark images scenes, and will increase the contrast distinction of the darker picture scenes.
	Gamma	Adjusts the balance between bright and dark areas of the picture.
	Auto Light Limiter	Reduces glare such as in scenes where the entire screen is white.
	Clear White	Emphasises white colours.

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(Continued)

	Live Colour	Makes colours more vivid.
	White Balance	Adjusts the temperature of each colour.

Sound

Target Inputs	Allows you to select whether to use the common settings or to make custom settings for the input you are currently viewing.	
	Common	Applies common settings to all inputs in which “Target Inputs” is set to “Common.”
	Name of current input (e.g. Video 1)	Allows you to make custom settings for the input.
Sound Mode	Sets a sound mode. “Sound Mode” includes options best suited for video and photographs, respectively. The options that can be selected differ depending on the “Scene Select” settings.	
	Dynamic	Enhances the treble and bass sounds.
	Standard	For standard sounds. Recommended for home entertainment.
	Clear Voice	Makes voice sound clearer.
Reset	Resets all the “Sound” settings to the factory settings excluding “Target Inputs,” “Sound Mode” and “Dual Sound.”	
Treble	Adjusts higher-pitched sounds.	
Bass	Adjusts lower-pitched sounds.	
Balance	Emphasises the left or right speaker.	
Intelligent Volume	Keeps volume level constant across all programmes and adverts (e.g. adverts tend to be louder than programmes).	
Volume Offset	Adjusts the volume level of the current input relative to other inputs, when “Target Inputs” is set to the current input name (e.g. Video 1).	
Surround	Allows you to select the suitable surround effects depending on the genre of TV programme (movie, sport, music, etc.) or video game. The options that can be selected differ depending on the “Scene Select” settings.	
	S-FORCE Front Surround	Delivers surround effects that help you enjoy the virtual multi-ch surround audio with just the two internal TV speakers.
	Simulated Stereo	Adds a surround-like effect to mono programmes.
	Cinema	Delivers surround effects just like the high-grade audio systems found in movie theatres.
	Music	Delivers surround effects that make you feel like you are surrounded by sound as in a music hall.
	Sports	Delivers surround effects that make you feel like you are watching a live sports contest.
	Game	Delivers surround effects that enhance game sound.
	Off	Converts and reproduces multi-ch audio to 2ch audio. In the case of other audio formats, the original audio is reproduced.
Voice Zoom	Adjusts the sound level of human voices. For example, if the voice of a news announcer is indistinct, you can turn up this setting to make the voice louder. Conversely, if you are watching a sports programme, you can turn down this setting to soften the voice of the commentator.	
Sound Enhancer	Reproduces clear sound by complementing high-frequency bands.	

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Sound Booster	Produces a fuller sound for more impact, by emphasising the treble and bass sounds.	
Dual Sound	Sets the sound from the speaker for a stereo or bilingual broadcast.	
	Stereo/Mono	For stereo broadcasts.
	Main/Sub/Mono	For bilingual broadcasts, select “Main” for sound channel 1, “Sub” for sound channel 2, or “Mono” for mono channel, if available.

✍
• For other equipment connected to the TV, set “Dual Sound” to “Stereo,” “Main,” or “Sub.”

Screen (for inputs other than a PC)

Target Inputs	Allows you to select whether to use the common settings or to make custom settings for the input you are currently viewing.	
	Common	Applies common settings to all inputs in which “Target Inputs” is set to “Common.”
	Name of current input (e.g. Video 1)	Allows you to make custom settings for the input.
Wide Mode	See “To change the Wide Mode manually” (page 16).	
Auto Wide	Automatically changes “Wide Mode” to match input signals. If you want to use the setting that you specified in “Wide Mode,” select “Off.”	
4:3 Default	Sets the default Wide Mode for 4:3 broadcasts.	
	Wide Zoom	Enlarges the 4:3 picture to fill the 16:9 screen, keeping the original image as much as possible.
	Normal	Displays conventional 4:3 broadcasts in the correct proportion.
	Off	Uses the setting that you specified in “Wide Mode.”
Display Area	Adjusts the picture display area.	
	Auto	Automatically switches to the most appropriate display area.
	Full Pixel	Displays pictures in their original size when parts of the picture are cut off.
	+1	Displays pictures in their original size.
	Normal	Displays pictures in their recommended size.
	-1/-2	Enlarges the picture so that the edges are outside the visible display area.
Horizontal Shift	Adjusts the horizontal position of the picture.	
Vertical Shift	Adjusts the vertical position of the picture when “Wide Mode” is set to “Wide Zoom,” “Zoom” or “14:9.”	
Vertical Size	Adjusts the vertical size of the picture when “Wide Mode” is set to “Wide Zoom.”	

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Screen (for PC input)

Auto Adjustment	Automatically adjusts the display position, phase, and pitch of the picture when the TV receives an input signal from the connected PC. • "Auto Adjustment" may not work well with certain input signals. In such cases, manually adjust "Phase," "Pitch," "Horizontal Shift," and "Vertical Shift."	
Reset	Resets all PC screen settings to factory settings.	
Phase	Adjusts the phase when the screen flickers.	
Pitch	Adjusts the pitch when the picture has unwanted vertical stripes.	
Horizontal Shift	Adjusts the horizontal position of the picture.	
Vertical Shift	Adjusts the vertical position of the picture.	
Wide Mode	Sets "Wide Mode" for displaying pictures from your PC.	
	Normal	Displays the picture in its original size.
	Full 1	Enlarges the picture to fill the vertical display area, while maintaining its original proportion.
	Full 2	Enlarges the picture to fill the display area.

Video Settings

Colour System	Sets the colour system ("Auto," "PAL," "SECAM," "NTSC3.58," or "NTSC4.43") according to the input signal from the input source.

Audio Settings

Speaker	**TV Speaker**	Turns on and outputs the TV's sound from the TV speakers.
	Audio System	Turns off the TV speakers and outputs the TV's sound from external audio equipment connected to the audio output sockets/jacks on the TV.
Audio Out	**Variable**	When using an external audio system, volume output from audio out can be controlled using the TV's remote.
	Fixed	The audio output of the TV is fixed. Use your audio receiver's volume control to adjust the volume (and other audio settings) through your audio system.
Headphone Settings	**Speaker Link**	Switches the TV's internal speakers on/off when you connect headphones to the TV.
	Volume	Adjusts the volume of the headphones when "Speaker Link" is set to "Off."
	Dual Sound	Sets the sound from the headphones for a bilingual broadcast.
Optical Out	Sets the audio signal that is output from the DIGITAL AUDIO OUT (OPTICAL) jack of the TV. Set to "Auto," when connecting equipment compatible with Dolby Digital. Set to "PCM," when connecting equipment not compatible with Dolby Digital.	

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Set-up

USB Auto Start

Automatically starts photo playback when the TV is turned on and a digital still camera or other device storing photo files is connected to the USB port then turned on.

• Playback does not start automatically if the TV is turned on after connecting the digital still camera or other device to the USB port.

Quick Start

The TV turns on faster than usual by turning on the power using the remote. However, power consumption in standby mode is approximately 16 watts higher than usual. Up to 3 out of 5 time zones can be set.

Video Labels

Assigns an icon or name to equipment connected to the side and rear sockets/jacks. The icon and name appear briefly on the screen when you select the equipment.

1 Press ⇧/⇩ to select the desired input source, then press ⊕.

Skip Inputs

For each input, sets whether or not to display on the Home Menu or in a list of inputs that will appear when you press →.

Auto
Displays the icon and name only when the equipment is connected.

Always Display
Always displays the icon and name regardless of whether or not the equipment is connected.

Skip
Does not display the icon and name even if the equipment is connected.

2 Press ⇨ to assign an icon and name.

Label Inputs

Uses preset labels to assign a name to connected equipment. Allows you to create your own label when you select "Edit."

Edit
Allows you to edit the name in the edit screen and choose the appropriate icon.

Video 1 Input/Output

Switches the video jack 1 and audio jack 1 between input and output modes.
When set to "Output," outputs whatever is being viewed on the screen (except signals from the /1 or 2, HDMI IN1, 2, 3, or 4, and /PC IN sockets/jacks).

Auto S Video

Sets the input signal from S video socket/jack S Video 1 when you have equipment connected to the S Video 1 and Video 1 sockets/jacks.

Video 3/Component 1 Input

Switches the component video jack 1 and the video jack 3.

You cannot use the component video jack 1 and the video jack 3 at the same time.

HDMI Set-up

Allows the TV to communicate with equipment that is compatible with the control for HDMI function, and connected to the HDMI sockets/jacks of the TV. Note that communication settings must also be made on the connected equipment.

Control for HDMI

Sets whether or not to link the operations of the TV and the connected equipment that is compatible with control for HDMI. When set to "On," the following functions are available.
If the specific Sony equipment that is compatible with control for HDMI is connected, this setting is applied to the connected equipment automatically when the "Control for HDMI" is set to "On" using the TV.

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	Auto Devices Off	When this is set to “On,” the connected equipment that is compatible with control for HDMI turns off when you turn off the TV.
	Auto TV On	When this is set to “On,” the TV turns on when you turn on the connected equipment that is compatible with control for HDMI.
	HDMI Device List	Displays a list of connected equipment that is compatible with control for HDMI.
		• You cannot use “Control for HDMI” if the TV operations are linked to the operations of an audio system that is compatible with control for HDMI.
Auto Start-up		You can run the initial set-up that appeared when you first connected the TV, and select the language and country/area, the region (Australian model only), or tune in all available channels again. Even if you have made the settings when you first connected the TV, you may need to change the settings after moving house, or to search for newly launched channels.
Language		Sets the language displayed on the menu screens.
Product Information		Displays product information of the TV.
Factory Settings		Resets all settings to factory settings except for the “Programme Block” setting, “Favourite” setting, and programme preset data. After completing this process, the initial set-up screen is displayed. Completing auto tuning in initial set-up will reset the settings that are not reset by “Factory Settings.” To retain the settings, skip the “Auto Tuning.”

Analogue Set-up

Programme List Display	Select “Off” to hide the list of analogue channels from the XMB™ (XrossMediaBar).
1 Digit Direct	When “1 Digit Direct” is set to “On,” you can select an analogue channel using one preset number button (0 – 9) on the remote. • When “1 Digit Direct” is set to “On,” you cannot select channel numbers 10 and above by entering two digits on the remote.
Favourite Set-up	Allows you to set your favourite channels by assigning the desired channel numbers. To reset the favourite channels, select “– – –.”
Auto Tuning	Tunes in all the available analogue channels. You can retune the TV after moving house, or to search for newly launched channels.
Programme Sorting	Changes the order of analogue channels stored in the TV. **1** Press ⇧/⇩ to select the channel you want to move to a new position, then press ⊕. **2** Press ⇧/⇩ to select the new position for the channel, then press ⊕.

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Programme Labels

Assigns a channel name of your choice, up to five letters or numbers. The name appears briefly on the screen when you select the channel.

1 Press ⇧/⇩ to select the channel you want to name, then press ⊕.

2 Press ⇧/⇩ to select the desired letter or number ("_" for a blank space), then press ⇨.

If you enter a wrong character

Press ⇦/⇨ to select the wrong character. Then, press ⇧/⇩ to select the correct character.

3 Repeat step 2 until you finish entering the name.

4 Press ⊕ to exit the labeling procedure.

Programme Block

Blocks an individual channel from being watched.

1 Press ⇧/⇩ to select the channel you want to block, then press ⊕.

2 Press ⇧/⇩ to select "Block," then press ⊕.
To watch the channel, select "Allow."

Intelligent Picture

On with Indicator	Automatically reduces the picture noise. The signal level bar is displayed when the channel is changed or the display is changed from an input screen to a TV programme.
On	Automatically reduces the picture noise.
Off	Turns off the "Intelligent Picture" feature.

Manual Programme Preset

To preset a channel, press **PROG +/–** to select the programme number, before selecting "Label," "AFT," "Audio Filter," "Skip," "LNA" or "Colour System." You cannot select a programme number that is set to "Skip" (page 39).

Programme/ TV System/ Frequency

Presets programme channels manually.

1 Press ⇧/⇩ to select "Programme," then press ⊕.

2 Press ⇧/⇩ to select the programme number you want to manually tune (if tuning a VCR, select programme 0), then press ⊕.

3 Press ⇧/⇩ to select "TV System," then press ⊕.

4 Press ⇧/⇩ to select the best received TV broadcast systems, then press ⊕.

5 Press ⇧/⇩ to select "Frequency," then press ⊕.

6 Press ⇦/⇨ to search for the next available channel. The frequency band ("VHF Low," "VHF High" or "UHF") is changed accordingly.

Label

Assigns a name of your choice to the selected channel. This name appears briefly on the screen when you select the channel.
To input characters, follow steps 2 to 4 in "Programme Labels" (page 39).

AFT

Allows you to fine-tune the selected channel manually if you feel that a slight tuning adjustment may improve picture quality.
When "On" is selected, fine tuning adjustments are made automatically.

Audio Filter

Improves the sound of individual channels when distortion occurs in mono broadcasts (normally set to "Off").

✍

• You cannot receive stereo or dual sound when "Low" or "High" is selected.

Skip

Skips unused analogue channels when you press **PROG +/–** to select channels. To select channels you have programmed to skip, use the corresponding number buttons.

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	LNA	Improves the picture quality of the channel (noisy picture) when the broadcast signal is very weak (normally set to "Off").
	Colour System	Selects the colour system ("Auto," "PAL," "SECAM") according to the channel.
	Signal Level	Displays the signal level for programme currently being watched.

Digital Set-up

Subtitle Set-up	**Subtitle Setting**	When set to "For Hard Of Hearing," visual aids for the hearing impaired are displayed with the subtitles (when such visual aids are available).
	Preferred Language	Allows you to select the language of the subtitles.
Audio Set-up	**Audio Type**	Switches to broadcast for the hearing impaired when you select "For Hard Of Hearing."
	Preferred Language	Sets the language to be used for a programme. Some digital channels may broadcast several audio languages for a programme.
	Audio Description	Provides audio description (narration) of visual information, when such information is available.
	Mixing Level	Adjusts the TV main audio and Audio Description output levels.
	Dynamic Range	Compensates for differences in the audio level between different channels (only for Dolby Digital audio). ✍ • The function may have no effect or the effect may vary depending on the programme regardless of the "Dynamic Range" setting.
	MPEG Audio Level	Adjusts the MPEG audio sound level.
Digital Tuning	**Digital Auto Tuning**	Tunes in the available digital channels. You can retune the TV after moving house, or to search for newly launched channels.
	Programme Sorting	Allows you to remove or change the order of digital channels stored in the TV. **1** Press ⇧/⇩ to select the channel you want to remove or move to a new position. **2** Remove or change the order of the digital channels as follows: **To remove a digital channel** Press ⊕. After a confirmation message appears, press ⇦ to select "Yes," then press ⊕. **To change the order of the digital channels** Press ⇨, then press ⇧/⇩ to select the new position for the channel and press ⇦. **3** Press **RETURN**.

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	Digital Manual Tuning	Tunes the digital channels manually. **1** Press the number buttons to enter the channel number you want to tune, or press ⇧/⇩. **2** When the available channels are found, press ⇧/⇩ to select the channel you want to store, then press ⊕. **3** Press ⇧/⇩ to select the channel number where you want to store the new channel, then press ⊕. Repeat the above procedure to tune other channels.
	LNA	Improves the picture quality of the channel (noisy picture) when the broadcast signal is very weak (normally set to "On").
Radio Display		Displays the screen wallpaper when you listen to a radio broadcast. You can select the screen wallpaper colour, display a random colour or view a slideshow (page 24, 28). To cancel the screen wallpaper display temporarily, press any button.
Parental Lock		**Singaporean model:** Sets an age restriction to viewing. To view any programme rated for ages above the age you specify, enter the correct PIN code. **Australian model and New Zealand model:** Sets a parental guidance level. Programmes that exceed the set level can only be watched after entering the correct PIN code.

(Australian model)

Level	Function
Block All	All programmes need a password to view.
G and above	To lock "General" and above programmes.
PG and above	To lock "Parental Guidance" and above programmes.
M and above	To lock "Mature" and above programmes.
MA and above	To lock "Mature Adult" and above programmes.
AV and above	To lock "Adult/Violence" and above programmes.
R and above	To lock "Restricted" and above programmes.
No block	No programmes need a password to view.

(New Zealand model)

Level	Function
Block All	All programmes need a password to view.
G and above	To lock "General" and above programmes.
PGR and above	To lock "Parental Guidance Recommended" and above programmes.
AO and above	To lock "Adults Only" and above programmes.
No block	No programmes need a password to view.

PIN Code		Enter your PIN code to activate "Parental Lock." You can also change the PIN code. • PIN code 9999 is always accepted.
Technical Set-up	**Auto Service Update**	Enables the TV to detect and store new digital services as they become available.
	System Update	Enables the TV to automatically receive free software updates through your existing aerial/antenna/cable (when issued). We recommend that you leave the setting to "On" at all times.
	System Information	Displays the current software version and the signal level.

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Network Settings

Network	**IP Address Settings**	**Manual** Allows you to set the network settings according to your network environment.
		DHCP (DNS manual) Automatically acquires the network settings except for DNS server settings. You can manually set the DNS settings.
		DHCP (DNS automatic) Automatically acquires the network settings through the Dynamic Host Configuration Protocol server function of the router or Internet service provider.
	Test	Diagnoses whether the network is correctly connected.
	IP Address/ Subnet Mask/ Default Gateway/ Primary DNS/ Secondary DNS	You need to configure each item when “Manual” is selected in “IP Address Settings.” When “DHCP (DNS manual)” is selected, be sure to enter “Primary DNS” and “Secondary DNS” server addresses manually.
	MAC Address	Displays the MAC address, which is a fixed, globally unique identifier of the network device.
Server Display Settings	Displays the connected server list and allows you to select the server you want to display on the Home Menu.	
Server Diagnostics	Diagnoses whether the TV can connect to each server on the home network.	
Renderer Function	Enables playback of photo/music/video files on the TV through other control devices on the network, such as a digital still camera or mobile phone.	
Renderer Access Control	Allows you to specify the accessible controller to the TV. When this setting is set to “On,” you can playback photo/music/video files on the TV using the controller.	
Renderer Set-up	**Automatic Access Permission**	Allows you to select whether to permit access to the TV automatically when a network device accesses the TV for the first time.
	Renderer Name	Allows you to set the name of the TV to be shown on the controller.

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Installing the Accessories (Wall-Mount Bracket)

To Customers:

For product protection and safety reasons, Sony strongly recommends that installing of your TV be performed by Sony dealers or licensed contractors. Do not attempt to install it yourself.

To Sony Dealers and Contractors:

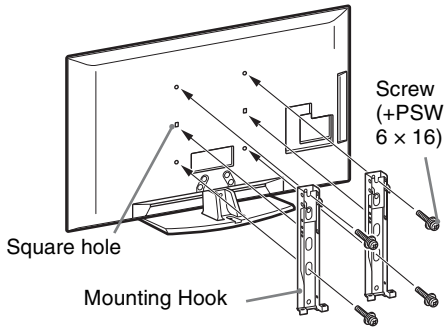
Provide full attention to safety during the installation, periodic maintenance and examination of this product.

Your TV can be installed using the SU-WL500/SU-WL50B Wall-Mount Bracket (sold separately).

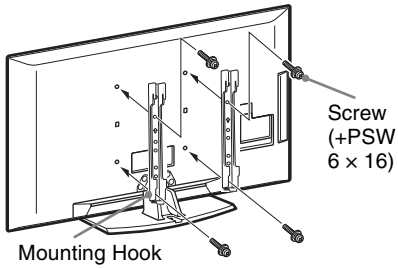
- Refer to the Instructions supplied with the Wall-Mount Bracket to properly carry out the installation.
- Refer to “Detaching the Table-Top Stand from the TV” (page 7).
- Refer to “TV installation dimensions table” (page 44).
- Refer to “Screw and Hook locations diagram/table” (page 45).

• Place the TV on the Table-Top Stand, when securing the Mounting Hook.

SU-WL500:



SU-WL50B:



Sufficient expertise is required for installing these products, especially to determine the strength of the wall for withstanding the TV’s weight. Be sure to entrust the attachment of these products to the wall to Sony dealers or licensed contractors and pay adequate attention to safety during the installation. Sony is not liable for any damage or injury caused by mishandling or improper installation.

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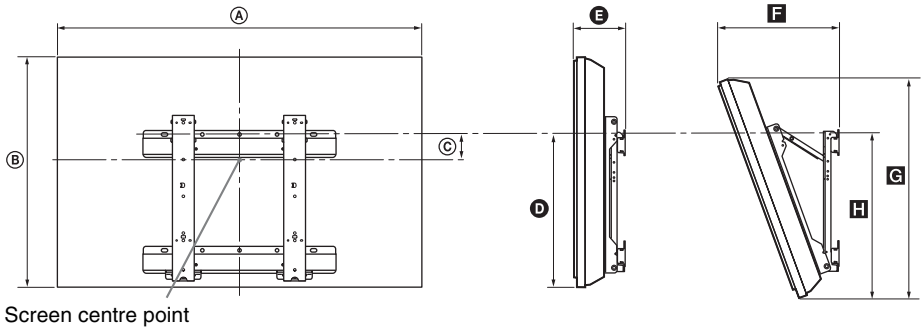
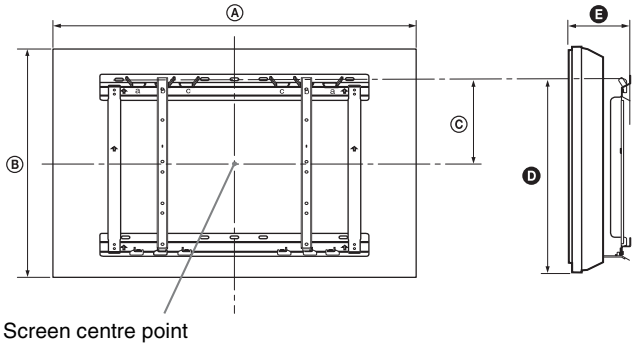
(Continued)

TV installation dimensions table

SU-WL500:



SU-WL50B:



Unit: mm

Model Name	Display dimensions		Screen centre dimension		Length for each mounting angle						
					Angle (0°)				Angle (20°)		
	Ⓐ	Ⓑ	Ⓒ		Ⓓ		Ⓔ		Ⓕ	Ⓖ	Ⓗ
			SU-WL500	SU-WL50B	SU-WL500	SU-WL50B	SU-WL500	SU-WL50B	SU-WL500 only		
KDL-46W5500	1,123	725	84	137	471	524	150	150	359	686	503
KDL-46WE5	1,123	725	84	137	471	524	167	168	376	686	509
KDL-40W5500	987	638	122	175	463	515	147	147	330	604	493
KDL-40WE5	987	638	122	175	463	515	164	165	347	604	499
KDL-32W5500	798	537	172	200	463	490	143	144	292	511	492

Figures in the above table may differ slightly depending on the installation.

WARNING

The wall that the TV will be installed on should be capable of supporting a weight of at least four times that of the TV. Refer to “Specifications” (page 46) for its weight.

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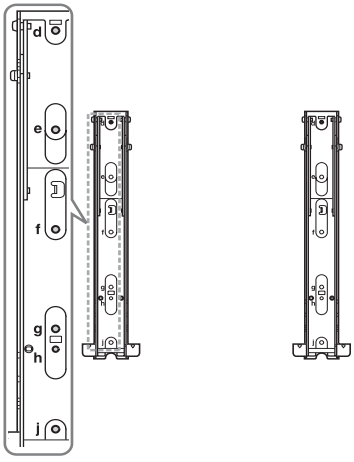
Screw and Hook locations diagram/table

Model Name	Screw location		Hook location	
	SU-WL500	SU-WL50B	SU-WL500	SU-WL50B
KDL-46W5500/46WE5/40W5500/40WE5	d, g	d, i	b	
KDL-32W5500	e, g	e, h	c	

SU-WL500:

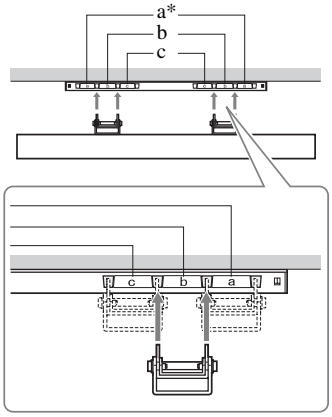
Screw location

When installing the Mounting Hook on the TV.



Hook location

When installing the TV onto the Base Bracket.

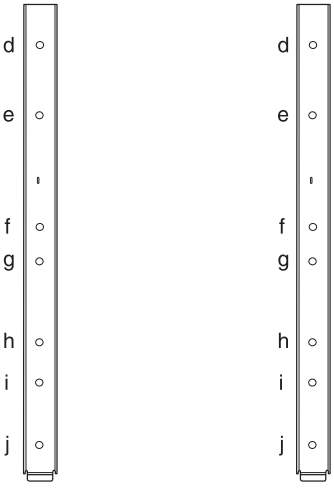


* Hook location “a” cannot be used for the models.

SU-WL50B:

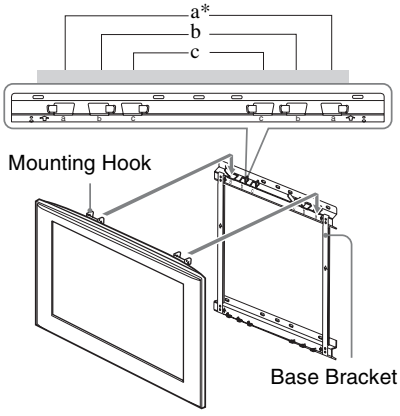
Screw location

When installing the Mounting Hook on the TV.



Hook location

When installing the TV onto the Base Bracket.



* Hook location “a” cannot be used for the models.

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Specifications

Model name	KDL-32W5500	KDL-40W5500	KDL-40WE5	KDL-46W5500	KDL-46WE5
System					
Panel system	LCD (Liquid Crystal Display) Panel				
TV system	Analogue: B/G, I, D/K Digital: DVB-T				
Colour/video system	Analogue: PAL, PAL60 (only video input), SECAM, NTSC3.58, NTSC4.43 (only video input) Digital: MPEG-2 MP@ML/HL (Australian model), MPEG-2 MP@ML/HL, H.264/MPEG-4 AVC MP/HP@L4 (New Zealand and Singaporean model)				
Channel coverage	Analogue:B/G: VHF: E2–E12/UHF: E21–E69/CATV: S01–S03, S1–S41 VHF: 0–12, 5A, 9A/UHF: 28–69/CATV: S01–S03, S1–S44 (Australia and Singapore only) VHF: 1–11/UHF: 21–69/CATV: S1–S41 (New Zealand and Singapore only) I: UHF: B21–B69/CATV: S01–S03, S1–S41 (Australia and New Zealand only) D/K: VHF: C1–C12, R1–R12/UHF: C13–C57, R21–R60/CATV: S01–S03, S1–S41, Z1–Z39 (Australia and New Zealand only) Digital: VHF/UHF (Australia and Singapore only), UHF (New Zealand only)				
Sound output	10 W + 10 W				
Input/Output jacks					
Aerial/Antenna/cable	75 ohm external terminal for VHF/UHF				
S 1	S video input (4-pin mini DIN)				
1	Video input (phono jack)/Monitor out				
1	Audio input (phono jacks)/Monitor out				
2	Video input (phono jack)				
2	Audio input (phono jacks)				
COMPONENT IN1 /3	COMPONENT IN1 Supported formats: 1080p, 1080i, 720p, 576p, 576i, 480p, 480i Y: 1 Vp-p, 75 ohms, 0.3V negative sync/PB/CB: 0.7 Vp-p, 75 ohms/ PR/CR: 0.7 Vp-p, 75 ohms 3 Video input (phono jack)				
COMPONENT IN2	Supported formats: 1080p, 1080i, 720p, 576p, 576i, 480p, 480i Y: 1 Vp-p, 75 ohms, 0.3V negative sync/PB/CB: 0.7 Vp-p, 75 ohms/ PR/CR: 0.7 Vp-p, 75 ohms				
COMPONENT IN1, 2	Audio input (phono jacks)				
HDMI IN1, 2, 3, 4	Video: 1080/24p, 1080p, 1080i, 720p, 576p, 576i, 480p, 480i Audio: Two channel linear PCM 32, 44.1 and 48 kHz, 16, 20 and 24 bits, Dolby Digital Analogue audio input (minijack) (HDMI IN1 only) PC Input (see page 47)				
DIGITAL AUDIO OUT (OPTICAL)	Digital optical jack (Two channel linear PCM, Dolby Digital)				
	Audio output (phono jacks)				
PC IN	PC Input (D-sub 15-pin) (see page 47) G: 0.7 Vp-p, 75 ohms, non Sync on Green/B: 0.7 Vp-p, 75 ohms/ R: 0.7 Vp-p, 75 ohms/HD: 1-5 Vp-p/VD: 1-5 Vp-p PC audio input (minijack)				
	USB port				
	Headphones jack				
LAN	10BASE-T/100BASE-TX connector (Depending on the operating environment of the network, connection speed may differ. 10BASE-T/100BASE-TX communication rate and communication quality are not guaranteed for this TV.)				
Power and others					
Power requirements	220 V – 240 V AC, 50 Hz				
Screen size (measured diagonally)	32 inches (Approx. 80.0 cm)	40 inches (Approx. 101.6 cm)	40 inches (Approx. 101.6 cm)	46 inches (Approx. 116.8 cm)	46 inches (Approx. 116.8 cm)
Display resolution	1,920 dots (horizontal) × 1,080 lines (vertical)				

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Model name		KDL-32W5500	KDL-40W5500	KDL-40WE5	KDL-46W5500	KDL-46WE5
Dimensions (Approx.) (w × h × d)	with Table-Top Stand	798 mm × 585 mm × 259 mm	987 mm × 686 mm × 303 mm	987 mm × 686 mm × 303 mm	1,123 mm × 772 mm × 330 mm	1,123 mm × 772 mm × 330 mm
	without Table-Top Stand	798 mm × 537 mm × 89 mm	987 mm × 638 mm × 93 mm	987 mm × 638 mm × 104 mm	1,123 mm × 725 mm × 96 mm	1,123 mm × 725 mm × 107 mm
Mass (Approx.)	with Table-Top Stand	14.2 kg	19.5 kg	20.1 kg	25.9 kg	26.5 kg
	without Table-Top Stand	12.1 kg	16.8 kg	17.4 kg	22.6 kg	23.2 kg
Supplied accessories		See “To check the accessories” (page 4).				
Optional accessories	Wall-Mount Bracket	SU-WL500/WL50B				

Design and specifications are subject to change without notice.

PC input signal reference chart for PC and HDMI IN 1, 2, 3, 4

Resolution				*Horizontal frequency (kHz)*	*Vertical frequency (Hz)*	*Standard*
Signals	*Horizontal (Pixel)*	*×*	*Vertical (Line)*			
VGA	**640**	×	**480**	**31.5**	**60**	**VESA**
	640	×	480	37.5	75	VESA
	720	×	400	31.5	70	VESA
SVGA	**800**	×	**600**	**37.9**	**60**	**VESA**
	800	×	600	46.9	75	VESA
XGA	**1024**	×	**768**	**48.4**	**60**	**VESA**
	1024	×	768	56.5	70	VESA
	1024	×	768	60.0	75	VESA
WXGA	**1280**	×	**720**	**45.0**	**60**	**EIA**
	1280	×	**768**	**47.4**	**60**	**VESA**
	1280	×	**768**	**47.8**	**60**	**VESA**
	1280	×	**960**	**60.0**	**60**	**VESA**
	1360	×	**768**	**47.7**	**60**	**VESA**
SXGA	**1280**	×	**1024**	**64.0**	**60**	**VESA**
HDTV	**1920**	×	**1080**	**66.6**	**60**	**VESA***
	1920	×	**1080**	**67.5**	**60**	**EIA***

* 1080p timing when applied to the HDMI input will be treated as a video timing and not a PC timing. This affects the “Video Settings” menu and “Screen” menu settings.
To view PC contents, set “Wide Mode” to “Full” and “Display Area” to “Full Pixel.”

- This TV’s PC input does not support Sync on Green or Composite Sync.
- This TV’s PC input does not support interlaced signals.
- For the best picture quality, it is recommended to use the signals in the above chart with a 60 Hz vertical frequency (boldfaced).

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Troubleshooting

Check whether the ⏻ (standby) indicator is flashing in red.

When the ⏻ (standby) indicator is flashing

The self-diagnosis function is activated.

1 Count how many times the ⏻ (standby) indicator flashes between each two second break.

For example, the indicator may flash three times, go off for two seconds, then flash again three times.

2 Press ⏻ on the TV to turn it off, disconnect the mains lead/AC power cord, and inform your dealer or Sony service centre of how the indicator flashes (number of flashes).

When the ⏻ (standby) indicator is not flashing

1 Check the items in the tables below.

2 If the problem persists, have your TV serviced by qualified service personnel.

Condition	Explanation/Solution
Picture	
There is no picture (screen is dark) and no sound.	• Check the aerial/antenna/cable connection. • Connect the TV to the mains/AC power, and press ⏻ on the TV. • If the ⏻ (standby) indicator lights up in red, press I/⏻.
No picture or menu information from equipment connected to the video input jack appears on the screen.	• Press ⏎ to display the list of inputs, then select the desired input. • Check the connection between the optional equipment and the TV.
Ghosting occurs, or double images appear.	• Check the aerial/antenna/cable connection. • Check the aerial/antenna location and direction.
Only snow and noise appear on the screen.	• Check if the aerial/antenna is broken or bent. • Check if the aerial/antenna has reached the end of its serviceable life (three to five years for normal use, one to two years when used at the seaside).
The picture is distorted (dotted lines or stripes appear).	• Keep the TV away from electrical noise sources such as cars, motorcycles, hair-dryers, or optional equipment. • When installing optional equipment, leave some space between the optional equipment and the TV. • Check the aerial/antenna/cable connection. • Keep the aerial/antenna/cable TV cable away from other connecting cables.
There is picture or sound noise when viewing a TV channel.	• Adjust “AFT” (Automatic Fine Tuning) to obtain better picture reception (page 39).
Tiny black points and/or bright points appear on the screen.	• The screen is composed of pixels. Tiny black points and/or bright points (pixels) on the screen do not indicate a malfunction.
The picture contours are distorted.	• Select “Standard” or “Off” in “Motionflow” (page 33). If the symptom still persists, change the current setting of “Cinema Drive” to other settings (page 33).
The picture is not displayed in colour.	• Select “Reset” (page 32).

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Condition	Explanation/Solution
The picture from equipment connected to the 1 or 2 sockets/jacks is not displayed in colour, or is displayed in irregular colours.	• Check the connection of the 1 or 2 sockets/jacks and check if the sockets/jacks are firmly seated in their respective sockets/jacks.
No picture from the connected equipment appears on the screen.	• Turn the connected equipment on. • Check the cable connection. • Press to display the list of inputs, then select the desired input. • Correctly insert the memory card or other storage device in the digital still camera. • Use a digital still camera memory card or other storage device that has been formatted according to the instruction manual supplied with the digital still camera. • Operations are not guaranteed for all USB devices. Also, operations differ depending on the features of the USB device and the video being played.
You cannot select the connected equipment on the Home Menu or you cannot switch the input.	• Check the cable connection. • Set the server to be displayed on the Home Menu (page 29).
Sound	
The picture is good, but there is no sound.	• Press +/– or (Mute). • Check if the "Speaker" is set to "TV Speaker" (page 36). • When using HDMI input with Super Audio CD or DVD-Audio, DIGITAL AUDIO OUT (OPTICAL) may not output audio signals.
Channels	
You cannot select your desired channel.	• Switch between digital and analogue mode, and select the desired digital/analogue channel.
Some channels are blank.	• The channel is for scrambled/subscription service only. Subscribe to a pay TV service. • The channel is used only for data (no picture or sound). • Contact the broadcaster for transmission details.
You cannot view digital channels.	• Contact a local installer to find out if digital transmissions are provided in your area. • Upgrade to a higher gain aerial/antenna.
Network	
Connection diagnostic results indicate a failure.	**Check Connections** • Use a straight cable for the LAN cable. • Check if the cable is connected firmly. • Check the connection between the TV and the router. **Check Settings** • Change the IP address for the DNS server (see "Checking the Network Connection" on page 28) while referring to the following: –Contact your Internet service provider. –Specify the IP address of the router if you do not know the DNS of your Internet service provider. • Confirm the proxy server settings (page 28).

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(Continued)

Condition	Explanation/Solution
The server cannot be found, a list cannot be retrieved, and playback fails.	• Once server settings are changed, turn the TV off and on by pressing ⏻ on the TV. • Execute “Server Diagnostics” (page 29). **When using a PC as the server** • Check if the PC is turned on. Do not turn off the PC while accessing. • If security software is installed on the PC, be sure to allow connections from external devices. For details, refer to the manual supplied with your security software. • The load on the PC may be too high or the server application may become unstable. Try the following: –Stop the server application and restart it. –Restart the PC. –Reduce the number of applications running on the PC. –Reduce the amount of content.
Changes on the server are not being applied or displayed content differs from content on the server.	• Sometimes changes are not applied to displays on the TV even though content has been added and/or deleted on the server. If this happens, go back up one level and try opening the folder or server again.
Photo, music and/or video files do not appear or icons are not displayed.	**Preliminary Check** • Check that the connected device supports DLNA. • Operations are not guaranteed for all servers. Also, operations differ depending on the features of the server and the content in question. • Turn the connected device on. **Check Connections** • Check that the LAN cable and/or mains lead/AC power cord of the server has not become disconnected. **Check Settings** • Check that the connected device is registered under “Server Display Settings” (page 29). • Check that the server is correctly configured. • Check that the selected device is connected to the network and can be accessed. • If the “IP Address Settings” in “Network” under “Network Settings” is set to “DHCP (DNS automatic)” or “DHCP (DNS manual),” it may take some time to recognise devices if there is no DHCP server. Execute “Server Diagnostics” (page 29).
The TV cannot be found from renderer-compatible device (the controller).	**Check Connections** • Check that the LAN cable and/or mains lead/AC power cord of the server has not become disconnected. **Check Settings** • Check if the “Renderer Function” is activated (page 42). • Check that the connected device is registered under “Renderer Access Control” (page 42).
General	
The TV’s power cannot be turned on.	• Check if **ENERGY SAVING SWITCH** is on (page 10).
The TV turns off automatically (the TV enters standby mode).	• Check if the “Sleep Timer” is activated, or confirm the “Duration” setting of “On Timer” (page 31). • Check if the “Idle TV Standby” is activated (page 32). • Check if the “Presence Sensor” is activated (page 32).
The TV turns on automatically.	• Check if the “On Timer” is activated (page 31).
Some input sources cannot be selected.	• Select “Video Labels” and cancel the “Skip” setting for the input source (page 37).
The remote does not function.	• Replace the batteries.

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Condition	Explanation/Solution
HDMI equipment does not appear on “HDMI Device List.”	• Check that your equipment is compatible with control for HDMI.
You cannot select “Off” in “Control for HDMI.”	• If you have connected any audio system that is compatible with control for HDMI, you cannot select “Off” in this menu. If you want to change the audio output to the TV speaker, select “TV Speaker” in the “Speaker” menu (page 36).
Not all channels are tuned for cable.	• Check the support website for cable provide information. http://www.sony-asia.com/bravia/flash.html

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Instructions on “Installing the Wall-Mount Bracket” are not supplied in the form of a separate leaflet with this TV. These installation instructions are included within this TV’s instructions manual.

Customer Support:
http://www.sony-asia.com/support

Printed on 70% or more recycled paper using VOC (Volatile Organic Compound)-free vegetable oil based ink.

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http://www.sony.net/

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